"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A. N.

USSR/Chemistry - Mercury Organic Compounds Jul/Aug 53

"Investigation of Optically Active Organomercury Compounds. I. Preparation of Diastereomeric 1-Menthyl Esters of alpha-Bromomercuri-alpha-Phenyl Acetic Acid (I)," A. N. Nesmeyanov, O. A. Reutov, S. S. Poddubnaya, Moscow State U

Is Ak Nauk SSSR OKhN, No 4, pp 649-654

Found that when stereoisomeric 1-menthyl esters of bromoacetic acid are reacted with Hg metal, an equimolar mixt of diastereomeric menthyl esters of I is formed. Isolated two of these esters in a pure state.

270R9

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A. N.

USSR/Chemistry - Mercury Organic Compounds Jul/Aug 53

"Synthesis of Organomercury Compounds by Reacting Organic Halogen Derivatives With Mercury Metal," O. A. Reutov, A. N. Nesmeyanov, Moscow State U

Iz Ak Nauk SSSR OKhN, No 4, pp 655-664

Investigated the reactions of some aliphatic and aromatic halogen derivs with Hg. Showed that these reactions are activated by UV light and benzoyl peroxide. Found that aromatic iodine derivs and aliphatic-aromatic bromine derivs react with Hg forming organomercury compds.

270T10

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

USSR/ Scientists - Chemistry

Card 1/1 : Pub. 40 - 1/22

Authors : Nesmeyanov, A. N.; Topchiev, A. V.; Kazanskiy, B. A.; and Shuykin, N. I.

Title : In memory of Academician N. D. Zelinskiy

Periodical : Izv. AN SSSR. Otd. khim. nauk 5, 765-774, Sep-Oct 1953

Abstract : Eulogy by the president and staff members of the Academy of Sciences USSR honoring the death of academician Nikolay Dmitrievich Zelinskiy, famous Russian chemist who died on July 31, 1953 at the age of 93. Illustration.

Institution : ...

Submitted : ...

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

Card 1/1 : Pub. 40 - 11/22

Authors : Nesmeyanov, A. N.; Reutov, O. A.; and Poddubnaya, S. S.

Title : Investigation of optically active mercury-organic compounds. Part 2.- About the mechanism of electrophilic substitution of a saturated carbon atom

Periodical : Izv. AN SSSR. Otd. khim. nauk 5, 850-859, Sep-Oct 1953

Abstract : The stereochemistry of electrophilic substitution of a saturated carbon atom was investigated. The mechanism of symmetrization of mercury-organic compounds of the fatty series, which takes place under the influence of nucleophilic reagents, is explained. The reasons for the different stereochemical reaction processes of electrophilic substitution are discussed. It was found that the reaction of electrophilic substitution takes place with the preservation of configuration of the asymmetrical carbon atom. Five references: 1-USSR and 4-USA (1927-1953).

Institution : The M. V. Lomonosov State University, Moscow

Submitted : November 21, 1952

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.; ZAKHARKIN, L.I.

Seperation of hydrogen chloride from α, α, α, ω-tetrachloro alkanes and α, α, α-trichloro alkanes. Izv.AN SSSR. Otd.khim.nauk no.6: 988-990 N-D '53. (MLRA 6:12)

1. Institut organicheskoy khimii Akademii nauk SSSR.
(Hydrogen chloride) (Paraffins)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

PONOMARENKO, P.K.; YASNOV, M.A.; NESMEYANOV, A.N.; VORONKOV, A.V.; PETROVSKIY, N.G.

Opening the new buildings of the Moscow State University. Vest.Mosk.un.8 no.9:5-15 S '53. (MLRA 6:11)

(Moscow University--Buildings)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A. N.

Science

For the first place in world science. Tekh. molod. 21, No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress
June 1953. UNCL.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, N.

RT-743 NESMEIANOV, N., L.A. SAZONOV & I.S. SAZONOVA
[The chemical state of atoms produced in nuclear transmutations] Khimicheskoe sostoianie atomov, poluchaiushchikhsia pri iadernykh prevrashcheniiakh.
Uspekhi Khimii, 22(2): 133-178, 1953.
[73 pages]

Available: Scientific Translations Center L.C.

Source of Reference: Scientific Translations Center, List #5, Feb 1954

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N., akademik, president.

Opening address of Academician A.N.Nesmeianov, president of the Academy of Sciences of the U.S.S.R. Vest.AN SSSR 23 no.11:3-6 N '53. (MIRA 6:12)

1. Akademiya nauk SSSR. (Technology) (Science)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N., akademik; TOPCHIYEV, A.V., akademik.

Resolution of the Presidium of the Academy of Sciences of the U.S.S.R. "On the results of the conference voted to problems of modern animal morphology and a critical evaluation of A.N.Severtsov's 'evolutionary morphology'." Mikrobiologiia 32 no.6:763-764 N-D '53. (MLRA 6:12)

1. Prezident Akademii nauk SSSR (for Nesmeyanov). 2. Glavnyy uchenyy sekretar' Prezidiuma Akademii nauk SSSR (for Topchiyev).
(Morphology (Animals)) (Severtsov, Alekrei Nikolaevich, 1866-1936)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

1. NESMEYANOV, A. N., Acad.

2. USSR (600)

4. Science

7. Some tasks of the Academy of Sciences of the U.S.S.R. in the light of the decisions of the 19th Congress of the Communist Party of the Soviet Union. Priroda 42, No. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.

Chemical Abst.
Vol. 48 No. 5
Mar. 10, 1954
Organic Chemistry

Stereochemistry of electrophilic substitution on a tetrahedral carbon. A. N. Nesmeyanov, O. A. Reutov, and S. S. Poddubnaya. *Doklady Akad. Nauk S.S.S.R.* 88, 479-82(1953).—The study was centered on the reactions $R_2Hg + HgX_2 \rightarrow 2RHgX$ and $2RHgX \rightarrow R_2Hg + HgX_2$. The 2 diastereoisomers of the *l*-menthyl *ester of PhCHBrCO₂H* treated with Hg (cf. R. and Besprozvannyi, *C.A.* 46, 10120*h*) each gave a mixt. (I) of the *isomers* of the *bromomercuri derivs.* which were sepd. by crystn. from MeOH; I form, m. 162-3°, $[\alpha]^{18}_{D}$ −96.5°, the other form, m. 152-4°, $[\alpha]^{18}_{D}$ −49.3°. An equimolar mixt. of the 2 isolated isomers has $[\alpha]^{18}_{D}$ −72.9°, while I had $[\alpha]^{18}_{D}$ from −71 to −76°. Treatment of the bromomercuri derivs. with NH_3 in $CHCl_3$ gave $Hg(CHPhCO_2C_{10}H_{19})_2$ (II); the HgBr deriv. m. 161-2°, gave a II, m. 119-22°, $[\alpha]^{18}_{D}$ −21.4°, while the other isomer gave a II m. 118-20°, $[\alpha]^{18}_{D}$ −7.7°. This is explainable by preservation of the configuration of the C atom during the reaction; thus this case of electrophilic substitution leads to retention of the C configuration. The II were treated with $HgBr_2$ in refluxing Me_2CO; each isomer gave the same mixt. of diastereoisomers of the *HgBr deriv.*, $[\alpha]^{18}_{D}$ −72.5°, corresponding to an equimolar mixt. Refluxing the RHgX derivs. in Me_2CO alone does not lead to their racemization, while in the presence of $HgBr_2$ there does take place a slow racemization at the central C atom. This is a much slower process than the reaction of R_2Hg with $HgBr_2$. Refluxing $HgBr_2$ in Me_2CO with either form of II in the presence of RHgBr resulted in a reaction only between the 1st two reagents. Since the II isomers had pure *l,l*- or *n,n*-configurations, this reaction occurred with inversion of configuration at the C atom. The results are interpreted in terms of possible first and second order electrophilic substitution reactions. G. B. Kistiakowsky

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

1. NESMEYANOV, A. N., Acad.; LUTSENKO, I. F.; KHOMUTOV, P. M.

2. USSR (600)

4. Mercury Organic Compounds

7. From the field of mercury organic compounds. Symmetrization of α-halogen mercury ketones. Dokl. AN SSSR 88, No. 5, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Organic Chemistry

Addition of salts of mercury to disubstituted acetylenes. A. E. Borisov, V. D. Vil'chevskaya, and A. N. Nesmeyanov. *Doklady Akad. Nauk S.S.S.R.* 90, 383-6 (1953).—MeC:CMe with $Hg(OAc)_2$ in glacial AcOH yields 3 isomeric products, isolated as chlorides by addn. of KCl and sepd. by crystn. from C_6H_6-ligroine: α, m. 140°; β, m. 95-6°; and γ, m. 130°. Heated with 15% HCl all yield EtMeCO, showing the location of AcO group on the 2nd C atom. Ozonization of the α- and β-forms gave the same product (AcOH), while the γ-isomer gave lactic acid and HCO_2H, indicating that the α- and β-forms are *cis-trans isomers* of *MeC(HgCl):CMeOAc*, while the γ-isomer is *MeCH(HgCl)C(:CH$_2$)OAc*. Under the above conditions CH_2:C:CHMe yields only insol. poly-Hg derivs., and only in MeOH soln. does it yield C_6H_6(OMe)HgCl, m. 124°. Heating the α-isomer 2 hrs. at 50° yields the β-isomer, while further heating 2 hrs. at 76° gave the γ-isomer if the isomerization was run with the original HgOAc deriv., since the HgCl derivs. do not isomerize on heating, ultraviolet irradiation, or in the presence of org. peroxides. It is believed that the β-isomer, because of its lower m.p., is the cis form. All 3 forms are readily symmetrized in C_6H_6 by dry NH_3, yielding, resp.: [*MeC(OAc):CMe*]$_2$*Hg*, m. 101-2°, [*MeC(OAc):CMe*]$_2$*Hg*, m. 113-14°, and [*CH$_2$:C(OAc)CHMe*]$_2$*Hg*, m. 130°; these with $HgCl_2$ in a reverse reaction yield the *RHgCl derivs.*, which are identical with the initially used substances. $(PhC:)_2$ with $Hg(OAc)_2$ in AcOH yields only 1 product, isolated, as above, as *PhC(HgCl):CPh(OAc)*, sol. in org. solvents, m. 138°. NH_3 symmetrizes it to R_2Hg, m. 170-1°, which with $HgCl_2$ regenerates the original substance. Ozonolysis yields BzOH and AcOH. Treatment with HCl yields $PhCH_2Bz$. Irradiation of the *RHgCl* with ultraviolet light 48 hrs. gave an *isomer*, m. 255-7°. G. M. Kosolapoff

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

TERENT'YEV, A.P.; KUPLETSKAYA, N.B.; NESMEYANOV, A.N., akademik.

Use of dioxanesulfotrioxide for the determination of the active hydrogen atom in alcohols and aromatic amines. Dokl.AN SSSR 90 no.5:807-809 Je '53. (MLRA 6:5)

1. Laboratoriya organicheskoy khimii im. N.D. Zelinskogo Moskovskogo gosudarstvennogo universitets im. M.V. Lomonosova (for Terent'yev, Kupletskaya). 2. Akademiya nauk SSSR (for Nesmeyanov).
(Hydrogen) (Carbon compounds)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

LEVINA, R.Ya.; SKVARCHENKO, V.R.; KOSTIN, V.N.; KATAEVA, N.S; NESMEYANOV, A.N., akademik.

Synthesis of hydrocarbons. New reaction of tetrahy-drophthalic anhydrides (products of diene synthesis) with phosphorus pentoxide. Dokl. AN SSSR 91 no.1:95-98 Jl '53. (MLRA 6:6)

1. Akademiya nauk SSSR (for Nesmeyanov).
(Phthalic anhydrides) (Phosphorus pentoxide)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N., akademik; STRUCHKOV, Yu.T.; KHOTSYANOVA, T.L.

X-ray investigation of trans-trans-trans-tri-β-chlorovinylchlorostibine. Dokl.AN SSSR 91 no.3:565-568 Jl '53. (MLRA 6:7)

1. Institut organicheskoy khimii Akademii nauk SSSR (for Struchkov and Khotsyanova). 2. Akademiya nauk SSSR (for Nesmeyanov).
(Antimony organic compounds) (X-rays--Industrial applications)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N., akademik; FREYDLIN, L.Kh.; RUDNEVA, K.G.

Metal-hydrogen character of certain hydrogenation catalysts. Dokl.AN SSSR 91 no.3:569-572 Jl '53. (MLRA 6:7)

1. Institut organicheskoy khimii Akademii nauk SSSR (for Freydlin and Rudneva). 2. Akademiya nauk SSSR (for Nesmeyanov).
(Catalysts) (Hydrogenation)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

KABACHNIK, M.I.; IOFFE, S.T.; NESMEYANOV, A.N., akademik.

Theory of tautomeric equilibrium. Investigation of the effect of the solvent on acidity of tautomeric forms, and the position of equilibrium of keto enols. Dokl.AN SSSR 91 no.4:833-836 Ag '53. (MLRA 6:8)

1. Akademiya nauk SSSR (for Nesmeyanov). 2. Institut organicheskoy khimii Akademii nauk SSSR (for Kabachnik and Ioffe).
(Tautomerism) (Keto enols)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

RAZUBAYEV, G.A.; BRILKINA, T.G.; NESMEYANOV, A.N., akademik.

Investigation of the free-radical reactions of complexes M[BR_4]. Dokl.AN SSSR 91 no.4:861-864 Ag '53. (MLRA 6:8)

1. Akademiya nauk SSSR (for Nesmeyanov). 2. Gor'kovskiy gosudarstvennyy universitet (for Razubayev and Brilkina).
(Organometallic compounds)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

~~NYESZMEJANOV, A.~~ TOPCHIYEV

NYESZMEJANOV, A.; TOPCSIJEV, A.

"Tasks of technical and natural sciences in the fifth Five-Year Plan." Tr. from the Russian. p. 524. (Magyar Technika, Vol. 8, no. 9, Sept 53, Budapest)

SO: Monthly List of East European Accessions, Vol 3 No 2 Library of Congress Feb 4 Uncl

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

YUR'YEV, Yu.K.; KHNEL'NITSKIY, L.I.; NESMEYANOV, A.N., akademik.

Production of thiophene homologs from unsaturated hydrocarbons. Dokl.AN SSSR 92 no.1:101-104 S '53. (MLRA 6:8)

1. Akademiya nauk SSSR (for Nesmeyanov). 2. Laboratoriya organicheskoy khimii im. N.D.Zelinskogo Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova (for Yur'yev and Khnel'nitskiy). (Thiophene)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

TERENT'YEV, A.P.; ZABRODINA, K.S.; NESMEYANOV, A.N., akademik.

Gasometric method for the determination of aldehydes and ketones. Dokl.AN SSSR 92 no.6:1181-1184 O '53. (MLRA 6:10)

1. Akademiya nauk SSSR (for Nesmeyanov). 2. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova (for Terent'yev and Zabrodina).
(Gasometers and gasometry) (Aldehydes) (Ketones)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

OL'DEKOP, Yu.A.; NESMEYANOV, A.N., akademik.

Thermic reaction between carbon tetrachloride and toluol. Dokl.AN SSSR 93 no.1:75-76 N '53. (MLRA 6:10)

1. Akademiya nauk SSSR (for Nesmeyanov).
(Carbon tetrachloride) (Toluene)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

PONOMAREV, A.A.; TIL', M.V.; MARKUSHINA, I.; SAPUNAR, K.; NESMEYANOV, A.N., akademik.

Multistep hydrogenation of furfurylidene ketones. New homologs of 1,6-dioxaspiro (4,4)nonane. Dokl.AN SSSR 93 no.2:297-300 N '53. (MLRA 6:10)

1. Akademiya nauk SSSR (for Nesmeyanov). (Hydrogenation) (Nonane)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

STRUCHKOV, Yu.T.; KITAYGORODSKIY, A.I.; KHOTSYANOVA, T.L.; NESMEYANOV, A.N., akademik.

Crystalline structure of addition products of $HgCl_2$· coumarin (I) and $HgBr_2$· coumarin (II). Dokl.AN SSSR 93 no.4:675-678 D '53. (MLRA 6:11)

1. Akademiya nauk SSSR (for Nesmeyanov). 2. Institut organicheskoy khimii im. N.D.Zelinskogo Akademii nauk SSSR (for Struchkov, Kitaygorodskiy and Khotsyanova). (Mercury organic compounds) (Coumarin)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

YEPIFANOVA, A.P.; NESMEYANOV, A.N.;akademik, redaktor; TOPCHIYEV, A.V., akademik, redaktor; ISAKOVA, O.V. redaktor; LIKHTENSHTEYN, Ye.S. redaktor; SHUMKOV, V.I., redaktor, DOBROMYSLOV, A.A., redaktor; POLYAKOVA, T.V., tekhnicheskiy redaktor

Viktor Sergeevich Kulebakin. Vstup.stat'ia K.S. Bobova; bibliografiia sostavlena A.P. Epifanovoi. Moskva, 1954. 47 p. (Materialy k bibibliografii uchenykh SSSR. Seriia tekhnicheskikh nauk. Energetika, no.4) (MLRA 8:9)

(KULEBAKIN, VIKTOR SERGEEVICH, 1891-)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

USSR

Synthesis of sulfur-containing polyhalogen derivatives and ω,ω'-thiodicarboxylic acids. A. N. Nesmeyanov, L. I. Zakharkin, and R. G. Petrova. *Bull. Acad. Sci. U.S.S.R., Div. Chem. Sci.* 1954, 204-8(Engl. translation).—See *C.A.* 49, 6120g. H. L. H.

(2)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.

Chemical Abst.
Vol. 48 No. 8
Apr. 25, 1954
Organic Chemistry

Organomercury compounds. Symmetrization of α-(halomercuri) ketones. A. N. Nesmeyanov, I. F. Lutsenko, and B. M. Khomutov (M. V. Lomonosov State Univ., Moscow). *Doklady Akad. Nauk S.S.S.R.* 88, 837-8 (1953).—Ketones with a HgX grouping are symmetrized into R_2Hg by means of NH_3; dry NH_3 gives poor yields if simply passed into the reaction mixt., but the following technique gave good results at room temp. (heating must be prevented). To 9 g. $AcCH_2HgCl$ in 250 ml. $(CH_2Cl)_2$ was added a soln. of NH_3 in $(CH_2Cl)_2$ until pptn. ceased, ppt. filtered off, washed with fresh solvent, and the soln. evapd., yielding 4.5 g. *diacetonylmercury*, m. 69° (from heptane-C_6H_6). This (0.32 g.) and 0.27 g. $HgCl_2$ heated 10 min. in EtOH gave 0.5 g. $AcCH_2HgCl$, m. 103-4°. Similarly, $BzCH_2HgCl$ and NH_3 in $(CH_2Cl)_2$ gave 50% $(BzCH_2)_2Hg$, m. 168°. 2-(Chloromercuri)cyclopentanone similarly gave 70% *bis(2-oxocyclopentyl)mercury*, m. 110-12° (from MePh-octane), which, heated with $HgCl_2$ in EtOH gave, RHgCl, m. 149-50°. Reaction of 2-(Chloromercuri)cyclohexanone with NH_3, as above, gave 65% *bis(2-oxocyclohexyl)mercury*, decomp. 120° (from PhMe-octane). G. M. K.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

USSR

Preparation of tetraphenyl- and tetra-p-tolyllead by decomposition of aryldiazonium fluoborates by a lead-sodium alloy. A. N. Nesmeyanov and L. G. Makarova. *Bull. Acad. Sci. U.S.S.R., Div. Chem. Sci.* 1954, 315 (Engl. translation).—See *C.A.* 49, 6346h. H. L. H.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

Absorption spectra of pyrylium salts. A. N. Nesmeyanov, L. A. Kazitsyna, N. K. Kochetkov, ~~and M. N. Kolosova~~. *Bull. Acad. Sci. U.S.S.R., Div. Chem. Sci.* 1954, 675-84 (Engl. translation).—See *C.A.* 49, 4404h.

B. M. R.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N

USSR.

Absorption spectra of pyrylium salts. A. N. Nesmeyanov, L. A. Karitsyna, N. K. Kochetkov, and M. I. Rybin.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

"3 Chlorides of 2-alkoxyethoxyvinylphosphonic and 2-alkoxyethoxyvinylthiophosphonic acids," Izvest Akad Nauk SSSR, Otdel Khim Nauk, 799-802 (1954).

N. D. Zelinskii Institute of Organic Chemistry of the Academy of Sciences, Moscow. President of the Academy of Sciences of the USSR.

B-83602, 18 Mar 55

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A. N.; KOLOBOVA, N. E.; ANISIMOV,

"3 Chlorides of arylvinylphosphomic Acids," Izvest Akad Nauk SSSR, Otdel Khim Nauk, 803-5 (1954).

N. D. Zelinskii Institute of Organic Chemistry of the Academy of Sciences, Moscow. President of the Academy of Sciences of the USSR.

B-83602, 18 Mar 55

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N., akademik; PEREVALOVA, E.G.; GOLOVNYA, R.V.; NESMEYANOVA, O.A.

Reaction of substitution of hydrogens in ferrocene. Dokl. AN SSSR no.3:459-461 Jl '54. (MLRA 7:9)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Substitution (Chemistry)) (Iron organic compounds)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R00113662

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

Card : 1/1 Pub. 40 - 24/27

Authors : Nesmeyanov, A. N., Kochetkov, N. K., and Rybinskaya, M. I.

Title : Synthesis of aryl-beta-vinyl chloride ketones

Periodical : Izv. AN SSSR. Otd. khim. nauk 4, 741 - 742, July - August 1954

Abstract : Brief report about a method for the synthesis of aryl-beta vinyl chloride ketones through the condensation of substituted acetophenones with ethylformate and consequent treatment of the derived oxymethylene ketone with thionyl chloride. Six references: 2 USSR; 1 USA; 2 German and 1 Italian (1898 - 1953).

Institution : The M. V. Lomonosov State University, Moscow

Submitted : February 23, 1954

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.

USSR/Scientific Organization

Card 1/1 : Pub. 124 - 1/29

Authors : ....

Title : Holiday of Soviet science and culture

Periodical : Vest AN SSSR 6, 3-7, June 1954

Abstract : Speech by the president of the Academy of Sciences USSR, Academician A. N. Nesmeyanov, held at the Academy of Sciences Ukr-SSR in Kiev on April 6, 1954, celebrating the 300th anniversary of the annexation of the Ukraine by Russia.

Institution : .....

Submitted : .....

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

USSR/Chemistry - Organic chemistry

Card 1/2 Pub. 40 - 6/27

Authors : Nesmeyanov, A. N.; Freydlina, R. Kh.; and Braynina, E. M.

Title : Reaction of alkylorthetitanates and titanium tetrachloride in a piperidine medium

Periodical : Izv. AN SSSR. Otd. khim. nauk 6, 987-991

Abstract : Experiments showed that alkylorthetitanates, alkoxytitanium chlorides, di- and trichlorides together with piperidine form certain crystalline binary compounds of the $(RO)_n TiCl_{4-n} \cdot C_5H_{10}NH$ composition. It is shown that the reaction, which is inversely disproportional between the alkyl-orthotitanates and titanium tetrachloride, passes smoothly in the presence of a estimated amount of piperidine yielding large quantities of

Institution : Acad. of Sc., USSR, The N. D. Zelinskiy Institute of Organic Chemistry

Submitted : January 19, 1954

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

USSR/Chemistry - Organic Chemistry

Card 1/2 Pub. 40 - 7/27

Authors : Nesmeyanov, A. N.; Borisov, A. E.; and Vol'kenau, N. A.

Title : Synthesis of stereoisomeric mercuriorganic compounds from lithium-organic compounds

Periodical : Izv. AN SSSR. Otd. khim. nauk 6, 992-1001, Nov-Dec 1954

Abstract : The synthesis of stereoisomeric alpha-mercuribistilbenes through the reaction of geometric isomers of alpha-lithiumstilbene with $HgCl_2$ is described. The disymmetrization reaction of stereoisomeric alpha-chloromercuristilbenes.

Institution : Acad. of Sc., USSR, The N. D. Zelinskiy Institute of Organic Chemistry

Submitted : February 13, 1954

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

Chemistry Organic Chemistry

Card 1/2 Pub. 40 - 8/27

Authors : Nesmeyanov, A. N., and Perevalova, E. G.

Title : Alkylation and acylation of chloromercuriacetaldehyde

Periodical : Izv. AN SSSR. Otd. khim. nauk 6, 1002-1007, Nov-Dec 1954

Abstract : It was established that the reaction of mercurized acetaldehyde with acid halides of carboxylic acid and tri-(p-nitrophenyl) bromomethane results in the formation of homologous vinyl ethers. The reaction takes place with the transfer of the reaction center according to the system of conjugated hg-C and C-O bonds.

Institution : The M. V. Lomonosov State University, Moscow

Submitted : March 15, 1954

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

USSR/Scientific Organization

Card 1/1 Pub. 124 - 1/26

Authors : Nesmeyanov, A. N., and Topchiev, A. V., Academicians

Title : Congratulatory greetings to the Chinese Academy of Sciences from the Academy of Sciences USSR

Periodical : Vest. AN SSSR 10, 3-4, Oct 1954

Abstract : The text is published of the congratulatory messages sent by the president and main scientific secretary of the Academy of Sciences USSR to the Academy of Sciences in China honoring the fifth anniversary of the establishment of the Chinese Peoples Republic.

Institution : Academy of Sciences USSR

Submitted : .....

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A. N.

USSR/Miscellaneous - Propaganda

Card 1/1 Pub. 124 - 2/26

Authors : Nesmeyanov, A. N., Academician, President of the Academy of Sciences, USSR.

Title : The great celebration of the Chinese People

Periodical : Vest. AN SSSR 10, 5-7, Oct 1954

Abstract : Released contents of the personal message sent by A. N. Nesmeyanov, president of the Academy of Sciences USSR, to the people of China celebrating the fifth anniversary of the Chinese Communist Regime.

Institution : Academy of Sciences USSR

Submitted : .....

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

USSR/ Scientific Organization

Card 1/1 Pub. 124 - 4/26

Authors : Nesmeyanov, A. N., and Topchiev, A. V., Academicians

Title : Greetings to the German Academy of Sciences in Berlin from the Academy of Sciences USSR

Periodical : Vest. AN SSSR 10, 17-18, Oct 1954

Abstract : The context is published of the special congratulatory message sent by the president and main secretary of the Academy of Sciences USSR to the presidium of the German Academy of Sciences in Berlin on the occasion of the fifth anniversary of the establishment of the German Peoples Republic.

Institution : Academy of Sciences USSR

Submitted : .....

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A., Akademik.

We want to strengthen international scientific cooperation.
Biul. VFMR no.10:249-251 Ag-O '54. (MIRA 8:2)

1. Prezident Akademii nauk SSSR.
(Exchanges, Literary and scientific)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N., akademik

Letter to the editor. Zhur. ob. biol. 15 no.4:320 Jl-Ag '54. (MLRA 7:9)

1. President Akademii nauk SSSR.
(TURBIN, N.V.) (LYSENKO, TROFIM DENISOVICH, 1888-)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

USSR/Miscellaneous

Card 1/1

Author : Nesmeyanov, A. N., Academician, President of the Academy of Sciences of the USSR

Title : Science in the struggle for peace

Periodical : Nauka i Zhizn' 21/2, 1-2, Feb/1954

Abstract : Science and art unite humanity as no other element of culture. Science is international. The more scientists fraternize with each other the harder it is to use science for the destruction of humanity. Soviet workers in science strive to bring about close harmony in international cooperation. The exchange of students is advocated. The use of " negative" science against humanity is deplored. Here the free nations are implied and the instances of cooperation cited are those with other communist nations.

Institution : .....

Submitted : .....

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.

NESMEYANOV, A.N., akademik.

Opening speech of Academician A.N.Nesmeianov, president of the Academy of Sciences of the U.S.S.R. Vest.AN SSSR 24 no.3:15-22 Mr '54. (MLRA 7:3)

1. President Akademii nauk SSSR.
(Academy of Sciences of the U.S.S.R.)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.

NESMEYANOV, A.N., akademik.

Results and prospects for coordinated work. Opening address by Academician A.N.Nesmeianov. Vest.AN SSSR 24 no.4:13-16 Ap '54. (MLRA 7:5)

(Science--Congresses)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A. N.

USSR/Miscellaneous - General Sciences

Card : 1/1

Authors : Nesmeyanov, A. N., Academ., The president of the Acad. of Scs. of the USSR

Title : Scientific problems of the Soviet science.

Periodical : Vest. AN SSSR, 24, Ed. 5, 3 - 25, May, 1954

Abstract : Outlines general development of the Soviet science, points out tremendous progress in developing atomic physics, due to construction of such devices as cyclotrons, betatrons, synchro-phase-trons; great progress in remote control and the automatization of industry.

Institution : ...

Submitted : ...

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N., akademik; TOPCHIYEV, A.V., akademik.

Greetings to the Chinese Academy of Sciences from the Academy of Sciences of the U.S.S.R. Vest.AN SSSR 24 no.10:3-4 O '54.(MLRA 8:1)

1. President Akademii nauk SSSR (for Nesmeyanov). 2. Glavnyy uchenyy sekretar' Prezidiuma Akademii nauk SSSR (for Topchiyev).
(Russia--Relations (General) with China)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N., akademik; TOPCHIYEV, A.V., akademik.

Greetings to the German Academy of Sciences in Berlin from the Academy of Sciences of the U.S.S.R. Vest.AN SSSR 24 no.10:17-18 O '54. (MLRA 8:1)

1. Prezident Akademii nauk SSSR (for Nesmeyanov). 2. Glavnyy uchenyy sekretar' Prezidiuma Akademii nauk SSSR (for Topchiyev).
(Russia--Relations (General) with Eastern Germany)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

USSR/Chemistry

Card 1/1

Authors : Priselkov, Yu. A. and Nesmeyanov, An. N.

Title : Determination by the method of marked atoms, of calcium and strontium vapor tension at temperatures below the melting point.

Periodical : Dokl. AN SSSR 95, 6, 1207 - 1210, 21 Apr 54

Abstract : Author describes an experimental determination of vapor tension of calcium and strontium at temperatures below the melting point. Determination is done w/o the help of the apparatus designed by the authors. Description of the apparatus and the experimental set-up is given in the article. Sketches and diagrams.

Institution : ....

Submitted : 20 Feb 54

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A. N.
From Russian for Dr. G. O. Doak
Doklady Akademii Nauk SSSR 96 (1): 81-83; 1954

Rapid Methods of Microelementary Analysis. Simultaneous Determination of Carbon, Hydrogen, and Silicon by Combustion in the Presence of a Catalyst.
by
V. A. Klimova, M. O. Korshun, and E. G. Bereznitskaia
(Article presented by Academy Member A. N. Nesmeianov Feb 24, 1954).

Translated at the [illegible]
Full translation available [illegible]

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A. N.

From Russian for Dr. G. O. Doak
Doklady Akademii Nauk SSSR 96 (2): 287-288; 1954

Rapid Methods of Microelementary Analysis. Simultaneous Determination of Carbon, Hydrogen, and Phosphorus in Organophosphorus Compounds
by
V. A. Klimova, M. O. Korshun, and E. G. Gereznitskaia
(Article presented by Academy Member A. N. Nesmeianov Feb 24, 1954).

Translated at the National Institutes of Health, Bethesda, Maryland.
Full translation available in [redacted]/M.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A. N.

USSR/Chemistry

Card 1/1

Authors : Nesmeyanov, A. N. Academician, Borisov, A. E., and Novikova, N. V.

Title : Isopropenyl mercury and thallium compounds and investigation of their chemical properties

Periodical : Dokl. AN SSSR, 96, Ed. 2., 289 - 292, May 1954

Abstract : Isopropenyl mercury and thallium compounds were derived from the reaction of mercury salts with isopropenyllithium which in turn was obtained from the reaction of metallic lithium and isopropenyl bromide in a dry ester medium. The isopropenyllithium in ester reacts with mercuric bromide forming isopropenyl mercury bromide with yield of 68%. Recrystallized from acetone it continuously melted at 167°. Isopropenyllithium is an ester solution reacts easily with thallium trichloride forming diisopropenyl thallium. Four references; 3 USSR

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

Institution : Academy of Sciences USSR, Institute of Elementary-Organic Compounds

Submitted : March 13, 1954

NESMEYANOV, A.N.

USSR/ Chemistry

Card : 1/1

Authors : Nesmeyanov, A. N., Academician; Freydlina, R. Kh., and Zakhrakin, L. I.

Title : Conversion of 1,1,1,3-tetrachloro-3-alkoxypropanes into esters of beta, beta-dialkoxypropionic acid (propionate).

Periodical : Dokl. AN SSSR, 97, Ed. 1, 91 - 94, July 1954

Abstract : The reaction leading to the conversion of tetrachloro-alkoxypropanes into propionates (esters of β,β-dialkoxypropionic acid) under the effect of energetic alcohols is described. The problem of whether the

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

ments used are included. Six USA references.

Institution : Acad. of Sc. USSR, Institute of Elementary-Organic Compounds

Submitted : May 12, 1954

NESMEYANOV, A. N.

USSR/ Chemistr - Displacement

Card : 1/1

Authors : Nesmeyanov, A. N., Academician, Perevalova, E. G., Golovnya, R. V. and Nesmeyanova, C. A.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

Title : Reactions of ferrocene hydrogen displacement

Periodical : Dokl. AN SSSR, 97, Ed. 3, 459 - 461, July 21, 1954

Abstract : The remarkable thermal and chemical stability, resistance to pyrolysis, acids and alkalis, of ferrocene (dicycloferropentadiene), are discussed. Ferrocene cannot be nitrated, sulfonated or halogenated but shows a great tendency toward displacement reactions. During proper metallization ferrocene is capable of forming mixed organo-metallic compounds the chemical structures of which are described. Three USA and 1 German references.

Institution : The M. V. Lomonosov State University, Moscow

Submitted : May 20, 1954

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

USSR/Chemistry - Physical chemistry

Card 1/1 : Pub. 22 - 29/44

Authors : Nesmeyanov, A. N., and Iofa, B. Z.

Title : Measurement of vapor pressure of solid antimony by the method of marked atoms

Periodical : Dok. AN SSSR 98/6, 993-995, October 21, 1954

Abstract : The vapor pressure of solid antimony was measured in a wide range of temperatures. Only tetratomic molecules were found to exist in antimony vapors in the range of investigated temperatures. The radioactive Sb^{124} isotope was used in the role of indicator. The device in which the experiments were carried out as well as results obtained are described. Seven references: 1-USSR; 1-Japanese; 2-Norwegian; 1-English and 2-USA (1909-1954). Table; graph; drawings.

Institution : The M. V. Lomonosov State University, Moscow

Presented by: Academician V. N. Kondratyev, May 28, 1954

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.

USSR/Chemistry - Reaction processes

Card 1/1 Pub. 22 - 14/45

Authors : Nesmeyanov, A. N., Academician; Perevalova, E. G.; and Golovnya, R. V.

Title : Reaction of ferrocene with diazo-compounds

Periodical : Dok. AN SSSR 99/4, 539-542, Dec 1, 1954

Abstract : Experimental data showing that ferrocene reacts not only with p-nitrophenyl-diazonium chloride producing p-nitrophenylferrocene (yield 64%), but also with other diazo-compounds yielding homologous arylferrocenes, are presented. The reaction between diazo-compounds and ferrocene, was found to be a suitable way of obtaining comparatively high yields of monoarylferrocenes, aryl-ferrocenes with different substitutes in the benzene nuclei. The mechanism of the reaction, is explained. Seven references: 3-USA; 3-German and 1-USSR (1885-1954). Graph.

Institution : The M. V. Lomonosov State University, Moscow

Submitted : November 11, 1954

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

USSR/Chemistry

Card 1/1 Pub. 22 - 30/56

Authors : Nesmeyanov, A. N., Academician; Freydlina, R. KH.; and Zakharkin, L. I.

Title : Regrouping of 1,1-dichloro-3-alkoxy-3arylpropenes-1 into beta-arylacrylic acids

Periodical : Dok. AN SSSR 99/5, 781-783, Dec 11, 1954

Abstract : Another example of allyl regrouping in a dichloropropene system is presented. The conversion of 1,1-dichloro-3-alkoxy (oxy)-3-arylpropenes-1 into beta-arylacrylic acids, by heating the propenes in an acetic acid solution in the presence of hydrochloric acid, is described. The physico-chemical properties of the regrouping products (acids) are listed. Eleven references: 3-USA: 5-USSR; 2-French and 1-Italian (1881-1954).

Institution : Academy of Sciences USSR, Institute of Elementary Organic Compounds

Submitted : October 7, 1954

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, Andrey Nikolayevich, kandidat khimicheskikh nauk; KIPNIS, S.Ye., redaktor; ZELENT'YEVA, tekhnicheskiy redaktor.

[Radioactive isotopes] Radioaktivnye izotopy. Moskva, Izd-vo "Znanie," 1955. 31 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii, Seriia 3, no.5). (MLRA 8:5)
(Radioisotopes)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

SMIRNOVA, N.B.; NESMEYANOV, A.N., akademik, redaktor; TOPCHIYEV, A.V., akademik redaktor; ISAKOVA, O.V., redaktor; LIKHTENSHTEYN, Ye.S. redaktor; SHUMKOV, V.I., redaktor; PEREL'MAN, V.I., redaktor; ZEMLYAKOVA, T.A., tekhnicheskiy redaktor.

[Britske, Ergard Viktorovich, 1877-1953] Vstup.stat'ia S.I. Vol'fkovicha i A.F. Kapustinskogo Bibliog.sostavlena N.V. Smirnovoi. Moskva, 1955. 37 p.(Materialy k bibliografii uchenykh SSSR. Seriia khimicheskikh nauk, no.20) (MLRA 8:11)
(Bibliography--Britske, Ergard Vikotorovich)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

ISAKOVA, O.V., otvetstvennyy redaktor; NESMEYANOV, A.N., akademik, glavnyy redaktor; TOPCHIYEV, A.V., akademik, zamestitel' glavnogo redaktora; LIKHTENSHTEYN, Ye.S. otvetstvennyy redaktor; SHUMKOV, V.I., otvetstvennyy redaktor; POLYAKOVA, T.V. tekhnicheskiy redaktor.

Aleksandr Naumovich Frumkin. Vstup. stat'ia B.N. Kabanova, bibliog. sost. O.V. Isakovoi. Moskva, Izd-vo Akad.nauk SSSR, 1955. 61 p. (Materialy k biobibliografii uchenykh SSSR, Seriia khimicheskikh nauk no.21) (MLRA 8:8)

1. Akademiya nauk SSSR.
(Frumkin, Aleksandr Naumovich, 1895-)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A. (Cand. Chem. Sci.)

"Problems in the Utilization of Atomic Energy (the Application of Radioactive Substances in Technology)," Krasnaya Zvezda, Moscow, 13 Mar 55

Sum. No. 531, 8 Jun 55

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A. N.

"Military Use of Atomic Energy," Vol. V., Voyennoye Izdatel'stvo Ministerstva Oborony Soyuza SSR, Moscow, 1955

Translation pp. 92-107, 563776

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A. N. (Acad.), LEBEDEV, N. F., LOZGACHEV, V. I., and CHUDINOV, E. G.

"Isotope Exchange Method for Measuring the Velocity of Evaporation and the Coefficient of Diffusion of Solid Metals".

President, Academy of Sciences USSR

Report appearing in 1st. Volume of Session of the Academy of Sciences USSR on the Peaceful Use of Atomic Energy, 1-5 July 1955", Publishing House of Academy of Sciences. USSR, 1955.

SO: Sum 728, 28 Nov 1955.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANAV, A.N.

USSR/General Division. Congresses. Sessions. Conferences. A-4

Abs Jour : Ref Zhur-Biologia, No 3, 1958, 9308

Author : A. N. Nesmeyanav
Inst :
Title : The Introductory Speech at the Session of the Academy of Sciences USSR Dealing with the Peaceful Use of Atomic Energy

Orig Pub : Sessiya An SSSR po mirnomu ispol'zovaniyu atom, energii, 1955, Plenar. zasedaniye, M., izd-vo AN SSSR, 1955, 3-4

Abstract : No abstract

Card 1/1

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

Isotope exchange method for measuring the velocity of evaporation and the coefficient of diffusion of solid metals. A. N. Nesmeyanov, N. F. Lebedev, V. I. Lozgachev, and R. G. Chudinov. *Conf. Acad. Sci. U.S.S.R. on Peaceful Uses of Atomic Energy, Session Div. Tech. Sci.* 1955, 49-61 (Pub. 1960)(Engl. translation).—See *C.A.* 50, 748a.

B. M. R.

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

Reaction of alkyl 2-chlorovinyl ketones with ethyl acetoacetic ester. N. K. Kochetkov, L. I. Kudryashov, and A. N. Nesmeyanov. *Bull. Acad. Sci. U.S.S.R., Div. Chem. Sci.* 1955, 729-34 (Engl. translation).—See *C.A.* 50, 93356.
B. M. R.

3 5

M.A. YOUT 2 copies

PM

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

5

Reaction of 2-chlorovinyl ketones with anthracene. A. 3
N. Nesmeyanov, M. I. Rybinskaya, and N. R. Kochetkov.
~~Bull. Acad. Sci. U.S.S.R., Div. Chem. Sci.~~ 1955, 736-9.
(Engl. translation).—See *C.A.* 50, 6360i. B. M. R.

M.A YOUTZ
2 copies

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

Derivatives of unsaturated phosphonic acids. X. Dibis esters of 2-alkoxy (and phenoxy)vinylphosphonic and 2-alkoxy(and phenoxy) vinylthiophosphonic acids. K. N. Anisimov, N. E. Kolobova, and A. N. Nesmeyanov. *Bull. Acad. Sci. U.S.S.R., Div. Chem. Sci.* 1953, 741-5 (Engl. translation). XI. Neutral esters of 2-alkoxyethoxyvinylphosphonic acids. *Ibid.* 746-50. XII. Tetraalkylidamides of 2-alkoxyethoxyvinylphosphonic acids. *Ibid.* 751-3.—See *C.A.* 50, 9310e. H. M. R.

3

M. A. YOUTZ

2 copies

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

Reaction of 2-chlorovinyl ketones with anthracene. A. N. Nesmeyanov, M. I. Rybinskaya, and N. K. Kochetkov (M. V. Lomonosov State Univ., Moscow). *Izvest. Akad. Nauk S.S.S.R., Otdel. Khim. Nauk* 1955, 817–22.—When 19 g. $SnCl_4$ was added to 12.8 g. anthracene and 7.5 g. AcCH:CHCl in 200 ml. C_6H_6 in 1 hr., and the mixt. was stirred 5 hrs., then treated with dil. HCl with cooling, the org. layer yielded 87.6% *1-chloro-2-acetyl-1,2-endo(9,10-dihydroanthracenyl)ethane* (12-acetyl-11-chloro-9,10-dihydro-9,10-ethanoanthracene) (I) m. 145° (from AcOH), decomp. 200° to anthracene; *oxime*, decomp. 162–4°; *2,4-dinitrophenylhydrazone*, m. 278° (from AcOH). Similarly from the appropriate RCOCH:CHCl were prepd. the following *12-RCO analogs* of I (R, % yield, and m.p. given): *Pr*, 84, 4, 93–4° (from Me_2CO) (decomp. 200°); *n-C_4H_{11}*, 70.1, 82° (from Me_2CO) (decomp. 200°); *Ph* (II), 80.6, 184–6° (from AcOH and Me_2CO). Bz_2CH:CHCl added to 3 g. anthracene in 50 ml. *o*-xylene, the refluxing mixt. treated 10 hrs. with dry HCl, the unreacted hydrocarbon removed, and the soln. evapd. yielded 16.8% II, identical with the above sample. I treated with powd. NaOH in Et_2O 10 hrs. gave 76.9% *1-acetyl-1,2-endo(9,10-dihydroanthracenyl)ethylene* (III), m. 174–5° (from Me_2CO). Similarly were obtained: the 1-PrCO, m. 152–3° (from Me_2CO), and *1-caproyl analog*, an oil, n^{22}_D 1.5900. II (3.3 g.) added to 50 ml. Et_2NH and

(OVER)

3

1/2

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

7

REACTION OF 2-CHLOROVINYL ...

refluxed 2 hrs. gave, after evapn. and extn. with 5% HCl and Et_2O, 26.3% of the 1-Bz analog of III, m. 162–3° (from Me_2CO), while the aq. soln. gave 64.3% *1-Et_2N analog* of II, m. 52–4° (from aq. MeOH) (*picrate*, m. 187–8°). I (0.88 g.) shaken with 0.6 g. NaOH in 15 ml. EtOH 3 hrs. gave 87.8% *1-EtO analog* of I, m. 162–4° (from Me_2CO). G. M. Kosolapoff

2/2

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.

USSR/ Chemistry - Synthesis

Card 1/1 Pub. 40 - 23/27

Authors : Nesmeyanov, A. N.; Kochetkov, N. K.; and Dombrovskiy, Ya. V.

Title : Beta-eminovinyl ketones. Part 3. Synthesis of alkyl-beta-aminovinyl ketones

Periodical : Izv. AN SSSR. Otd. khim. nauk 1, 179-181, Jan-Feb 1955

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

USSR/ Chemistry - Organic chemistry

Card 1/1 Pub. 40 - 5/26

Authors : Nesmeyanov, A. N., and Zakharkin, L. I.

Title : Omega-chlorocarboxylic acids and some of their conversions

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.

ANISIMOV, K.P.; KOLOBOVA, N.Ye.; NESMEYANOV, A.N.

Research in the field for derivatives of unsaturated phosphinic acids. Report no.6. Esters of β-isopropoxyvinylphosphinic, β-isobutoxyvinylphosphinic, and -isoamyloxyvinylphosphinic acids. Izv.AN SSSR. Otd.khim.nauk no.3:425-431 My-Je '55. (MLRA 8:9)

1. Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR.

(Phosphinic acid)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.

ANISIMOV, K.N.; KOLOBOVA, N.Ye.; NESMEYANOV, A.N.

Research in the field of unsaturated phosphinic acids. Report no.7. Esters of β-phenoxyvinylphosphinic acid. Izv.AN SSSR. Otd.khim.nauk no.3:432-434 My-Je '55. (MIRA 8:9)

1. Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR.

(Phosphinic acid)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.;KOCHETKOV, N.K.;RYBINSKAYA, M.I.;UGLOVA, E.V.

Certain reactions of alkyl-β-phenoxyvinyl ketones. Izv.AN SSSR. Otd.khim.nauk no.4:649-656 Jl-Ag '55. (MLRA 9:1)

1.Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Ketones)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

ANISIMOV, K.N.; KOLOBOVA, N.Ye.; NESMEYANOV, A.N.

Research in the field of unsaturated phosphinic acids. Report no.8. Tetraalkyldiamides of β-alkoxy(phenoxy)vinylphosphinic acids. Izv. AN SSSR. Otd.khim.nauk no.4:665-668 Jl-Ag '55. (MLRA 9:1)

1.Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR.
(Phosphinic acid) (Amides)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.

ANISIMOV, K.N.; KOLOBOVA, N.Ye.; NESMEYANOV, A.N.

Research in the field of unsaturated phosphinic acids. Report no.9. Complete esters of β-alkoxy(phenoxy)vinylthiophosphinic acids. Izv.AN SSSR.Otd.khim.nauk no.4:669-671 Jl-Ag '55. (MLRA 9:1)

1.Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR.
(Phosphinic acids)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.;RYBINSKAYA, M.I.;KOCHETKOV, N.K.

The reactions of the β-chlorovinyl ketones with anthracene.
Izv.AN SSSR.Otd.khim.nauk no.5:817-822 S-O '55. (MLRA 9:1)

1.Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Ketones) (Anthracene)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

Nesmeyanov, A.N.

ANISIMOV, K.N.;KOLOBOVA, N.Ye; NESMEYANOV, A.N.

Investigation into the unsaturated phosphinic acids. Part 11. The complete esters of β-alkoxyethoxyvinylphosphinic acids. Izv.AN SSSR.Otd.khim.nauk no.5:827-833 S-O '55. (MLRA 9:1)

1.Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR. (Phosphinic acid)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R00113662

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

ANISIMOV, K.N.; KOLOBOVA, N.Ye; NESMEYANOV, A.N.

Investigation into the unsaturated phosphinic acids. Part 12. The tetraalkyldiamides of the β-alkoxyethoxyvinylphosphinic acids. Izv.AN SSSR.Otd.khim.nauk no.5:834-837 S-O '55. (MLRA 9:1)

1.Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR.
(Phosphinic acid) (Amides)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

Synthesis of alkoxytitanium ---

be recrystd. Similarly, 4.8 g. I and 1.4 g. AcCl gave a solid

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

AID P - 2839

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 28/30

Authors : Academicians A. N. Nesmeyanov, A. V. Topchiyev, A. F. Ioffe, ~~P. L. Kapitsa, M.~~ A. Lavrent'yev, D. V. Skobel'tsyn, V. A. Fok

Title : Albert Einstein (3.14.1879-4.18.1955) (Current events)

Periodical : Elektrichestvo, 6, 85-86, Je 1955

Abstract : On the occasion of the death of Albert Einstein, the undersignes academicians present a short homage to commemorate his scientific activities.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R00113662

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.; REUTOV, O.A.

The mechanism of electrophilic substitution in saturated carbon atoms. Vest. Mosk. un. 10 no.45:133-143 Ap-My '55. (MLRA 8:8)
(Substitution (Chemistry))

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0011366

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.

NESMEYANOV, A.N., akademik.

Some problems of Soviet science. Tekh.mol.23 no.1:3-8 Ja'55. (MIRA 8:3)

1. President Akademii nauk SSSR.
(Science)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N., akademik.

Some problems of Soviet science. Tekh.mol. 23 no.2:17-23 F '55. (MLRA 8:4)

1. President Akademii nauk SSSR.
(Science)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.; KABACHNIK, M.I.

Double reactivity and tautomerism. Zhur.ob.khim. 25 no.1:41-87 Ja '55. (MIRA 8:4)

1. Institut elementorganicheskikh soyedineniy Akademii nauk SSSR.
(Tautomerism)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N., akademik

Some results and tasks of coordination. Vest. AN SSSR 25 no.4:22-33 Ap '55. (MLRA 8:7)
(Learned institutions and societies)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

KOVRIGINA, M.; NESMEYANOV, A.N.; RAKULEV, I.; KOCHERGIN, I.; OPARIN, A.; ANICHKOV, N.; MESTEROV, A.; KROTKOV, F.; CHERNOGOVSKIY, V.; TIMAKOV, V.; SEVERIN, S.; HUDNEY, G.; SERGIYEV, P.; DOVYDOVSKIY, I.; OREKHOVICH, V.; TALYZIN, F.; STRUKOV, A.; MIGUNOV, B.; SKVORTSOV, M.

A.I. Abrikosov; obituary. Vest. AN SSSR 25 no.5:65-66 My '55. (Abrikosov, Aleksei Ivanovich, 1875-1955) (MLRA 8:7)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.

NESMEYANAU, A.

Atomic energy in the service of peace and progress. Rab. i sial. 31 no.10:16 O'55. (MLRA 8:12)

1. President Akademii navuk SSSR
(Atomic power)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R00113662

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

ANISIMOV, K.N.; NESMEYANOV, A.N.

Investigation into the derivatives of unsaturated phosphonic acids. Part 14. The complete esters of β-phenylvinyl phosphonic acids. Izv.AN SSSR Otd.khim.nauk 86 no.6:1003-1005 My '55.

1.Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR. (Phosphonic acid)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV A. N.

ANISIMOV, K.N.; NESMEYANOV, A.N.

Investigation into the derivatives of unsaturated phosphonic acids. Part 15. The complete esters of β, β'-phenylchlorovinyl phosphonic and β-phenylacetylene phosphonic acids. Izv.AN SSSR Otd.khim.nauk 86 no.6:1006-1008 My '55. (MLRA 9:4)

1.Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR. (Phosphonic acid)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.;GUSEVA, L.I.;TIKHONOVA, L.I.;ZABORSKIY, A.K.

Chemical state of atoms resulting from nuclear transformations. Dokl.AN SSSR 103 no.6:1041-1043 Ag '55. (MIRA 9:1)

1.Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova. Predstavleno akademikom A.N.Frumkinym.
(Radiochemistry)

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R0011366

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61612

Author: Nesmeyanov, A. N., Tolstaya, T. P., Isayeva, L. S.

Institution: None

Title: Diphenylbromonium Salts

Original Periodical: Dokl. AN SSSR, 1955, 104, No 6, 872-875

Abstract: Heterolytic decomposition of $C_6H_5N_2BF_4$ (I) in C_6H_5Br (II) results in the formation (with a yield of ~0.5%) of diphenylbromonium borofluoride from which were obtained by double-exchange reactions, diphenylbromonium salts with the anions: J^- (decomposition temperature 81-82°); $PtCl_6^{2-}$ (decomposition temperature 159.5°); $(C_6H_5)_4B^-$ (decomposition temperature 164-165°); Br^- (decomposition temperature 82-83°); and HgJ_3 (decomposition temperature 108-109°). On decomposition of I in C_6H_5J (III) not even traces of diphenyliodonium salt are formed, which is formed on homolytic decomposition of phenyldiazoacetate (IV) in III. Decomposition of IV in II

Card 1/2

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61612

Abstract: in contrast with III produces no diphenylbromonium salts. For $(C_6H_5)_2BrJ$ and $(C_6H_5)_2BrBr$ are given the absorption spectra.

Card 2/2

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(

"APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620

NESMEYANOV, A.N.

USSR/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61611

Author: Nesmeyanov, A. N., Tolstaya, T. P.

Institution: None

Title: Diphenylchloronium Salts

Original Periodical: Dokl. AN SSSR, 1955, 105. No 1, 94-95

Abstract: As a result of a heterolytic decomposition of $C_6H_5N_2BF_4$ in C_6H_5Cl there is formed the borofluoride of diphenylchloronium from which were obtained by double-exchange reactions the diphenylchloronium salts with anions: $(C_6H_5)_4B^-$ (decomposition temperature 160-161°); $PtCl_6^{2-}$ (decomposition temperature 142.5-143°); HgJ_3^- (decomposition temperature 100-100.5°). $(C_6H_5)_2ClJ$ decomposes as soon as formed. Presented are the absorption spectra of $(C_6H_5)_2Cl\text{-}B(C_6H_5)_4$ and $(C_6H_5)_4BK$.

Card 1/1

APPROVED FOR RELEASE: Monday, July 31, 2000 CIA-RDP86-00513R001136620(