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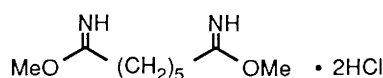


Imidates

Imidates, the basic building blocks for the preparation of nitrogen-containing heterocycles, have important uses in medicinal chemistry.¹ These interesting molecules have also been frequently used in other areas of chemistry such as agricultural,² photographic,³ dye,⁴ organometallic⁵ and polymer chemistry.⁶ Other specific applications of imidates include the preparation of biologically important cross-linking agents⁷ using bis-imidates, and the conversion of alcohols and carboxylic acids to their respective ethers and esters⁸ using trichloroimidates. Given below are representative examples of imidates. Please consult our 1990-1991 Catalog/Handbook for additional listings.

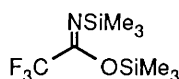
References:

(1) a) Takada, S. *et al.* Eur. Patent 329 073, 1989; *Chem. Abstr.* 1990, 112, 77188f. b) Cooper, K. *et al.* Eur. Patent 310 386, 1989; *Chem. Abstr.* 1990, 112, 178973p. c) Shibata, T.; Sugimura, Y. *J. Antibiot.* 1989, 42, 374; *Chem. Abstr.* 1989, 111, 194367d. d) Johnson, G. *et al.* *Arzneim.-Forsch.* 1989, 39, 432; *Chem. Abstr.* 1989, 111, 185z. e) Jpn. Patent 1 258 670, 1989; *Chem. Abstr.* 1990, 112, 178987w. (2) a) Mugnier, J.; Souche, J.L. Fr. Patent 2 608 898, 1988; *Chem. Abstr.* 1989, 110, 130501q. b) Ishida, T.; Hashimoto, I.; Tsuru, K. Jpn. Patent 62 277 358, 1987; *Chem. Abstr.* 1989, 110, 154150a. c) D'Silva, T.D.J. U.S. Patent 4 576 965, 1986; *Chem. Abstr.* 1986, 104, 181759p. (3) a) Yokoyama, S.; Sato, T.; Kimura, K. Jpn. Patent 01 040 832, 1989; *Chem. Abstr.* 1989, 111, 176197u. b) Kamio, T.; Sato, K. Jpn. Patent 01 271 468, 1988; *Chem. Abstr.* 1990, 112, 200853y. (4) a) Kamio, T.; Sato, K. Jpn. Patent 01 275 187, 1989; *Chem. Abstr.* 1989, 112, 218968z. b) Segawa, T. *et al.* Jpn. Patent 01 178 556, 1989; *Chem. Abstr.* 1989, 112, 181395g. (5) a) Dubsy, H. Czech. Patent 257 538, 1989; *Chem. Abstr.* 1989, 111, 135382g. b) Vandenberg, E.J. U.S. Patent 4 833 183, 1989; *Chem. Abstr.* 1989, 111, 233942j. (6) a) Heinicke, J.; Petrasch, A.; Tzschach, A. *J. Organomet. Chem.* 1983, 258, 257. b) Heinicke, J.; Tzschach, A. *Tetrahedron Lett.* 1982, 23, 3643. (7) a) Gibson, D.; Lerner, M.; Nordquist, R.; Reich, C. World Patent 8 904 172, 1989; *Chem. Abstr.* 1990, 112, 191982k. b) Kamra, A.; Gupta, M.N. *Biotechnol. Appl. Biochem.* 1988, 10, 287; *Chem. Abstr.* 1988, 109, 107236c. (8) a) Wessel, H.P.; Iversen, T.; Bundle, D.R. *J. Chem. Soc., Perkin Trans. 1* 1985, 2247. b) Armstrong, A. *et al.* *Tetrahedron Lett.* 1988, 29, 2483.

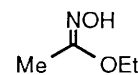


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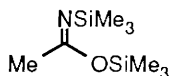
36,034-1 Dimethyl pimelimidate dihydrochloride 1g \$17.10; 5g \$36.00



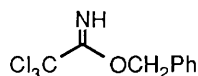
15,519-5 Bis(trimethylsilyl)trifluoroacetamide, 99 + % 5g \$9.30
25g \$40.70; 100g \$135.00



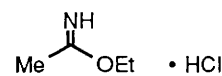
20,892-2 Ethyl N-hydroxyacetimidate, 97% 10g \$20.00; 50g \$63.00



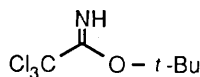
12,891-0 Bis(trimethylsilyl)acetamide 10g \$7.25; 25g \$15.00; 100g \$44.00



14,033-3 Benzyl 2,2,2-trichloroacetimidate, 99% 5g \$12.00; 25g \$39.75

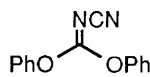


18,884-0 Ethyl acetimidate hydrochloride, 97% 50g \$21.60; 250g \$80.60

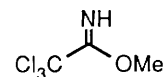


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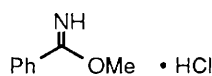
36,478-9 tert-Butyl 2,2,2-trichloroacetimidate 5g \$12.00; 25g \$39.75



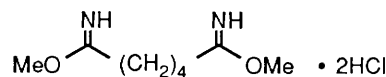
27,897-1 Diphenyl cyanocarbonimidate, 97% 1g \$11.00; 10g \$60.00



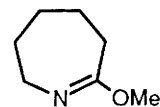
13,966-1 Methyl 2,2,2-trichloroacetimidate, 98% 25g \$25.70; 100g \$70.10



22,051-5 Methyl benzimidate hydrochloride, 97% 5g \$27.50



28,562-5 Dimethyl adipimidate dihydrochloride, 99% 5g \$21.30



A9,580-4 1-Aza-2-methoxy-1-cycloheptene, 99% 5g \$17.30; 25g \$56.00
100g \$157.75



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