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For research use only Not intended or approved for diagnostic or therapeutic use.

Product Name: 7-Bromo-1H-imidazo[1,2-a]pyridin-8-amine

Catalog Number: B13862



Sizes Available: 250 mg, 500 mg and larger sizes available

Molecular weight: 212.05 g/mol

Molecular Formula: C₇H₆BrN₃

CAS Number: 1357945-44-8

Storage: Store at 2-8 C°, under dry conditions.

Synonyms: None found

Uses: Synthesis building block, Organic Synthesis, imidazole-pyridine nitrogen heterocycle, synthesis, chlorine reactions

7-Bromo-1H-imidazo[1,2-a]pyridin-8-amine, is a synthetic fine chemical useful in the synthesis of pharmaceuticals and fine organic chemicals.

Selected References:

Balwe, Sandip Gangadhar, and Yeon Tae. Jeong. "An Approach towards the Synthesis of Novel Fused Nitrogen Tricyclic Heterocyclic Scaffolds via GBB Reaction." *Organic & Biomolecular Chemistry* 16, (2018): 1287–96. <u>https://doi.org/10.1039/C7OB02933K</u>.

Israel, Mervyn, and Allan R. Day. "Preparation of Pyrido [2,3] Pyrazines, Pyrido[3,4]Pyrazines, and Imidazo[b]Pyridines." *Journal of Organic Chemistry* 24, (1959): 1455–60. <u>https://doi.org/10.1021/jo01092a018</u>.

Saki, Mayumi, Hiroshi Tsumuki, Hiromi Nonaka, Junichi Shimada, and Michio. Ichimura. "KF26777 (2-(4-Bromophenyl)-7,8-Dihydro-4-Propyl-1H-Imidazo[2,1-i]Purin-5(4H)-Onedihydrochloride), a New Potent and Selective Adenosine A3 Receptor Antagonist." *Europea Journal of Pharmacology* 444, (2002): 133–41. <u>https://doi.org/10.1016/S0014-2999(02)01662-X</u>.

Swanson, Devin M., Brad M. Savall, Kevin J. Coe, Freddy Schoetens, Tatiana Koudriakova, Judith Skaptason, Jessica Wall, et al. "Identification of (R)-(2-Chloro-3-(Trifluoromethyl)Phenyl)(1-(5-Fluoropyridin-2-YI)-4-Methyl-6,7-Dihydro-1H-Imidazo[4,5-c]Pyridin-5(4H)-YI)Methanone (JNJ 54166060), a Small Molecule Antagonist of the P2X7 Receptor." *Journal of Medicinal Chemistry* 59, (2016): 8535–48. <u>https://doi.org/10.1021/acs.jmedchem.6b00989</u>.

Hazardous Properties and Cautions: The toxicological and pharmacological properties of this compound are not fully known. For further information see the MSDS on request. **7-Bromo-1H-imidazo[1,2-a]pyridin-8-amine** is manufactured, shipped according to standard practices, and intended for research and development in a laboratory utilizing prudent procedures for handling chemicals of unknown toxicity, under the supervision of persons technically qualified to evaluate potential risks and authorized to enforce appropriate health and safety measures. As with all research chemicals, precautions should be taken to avoid unnecessary exposures or risks.

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