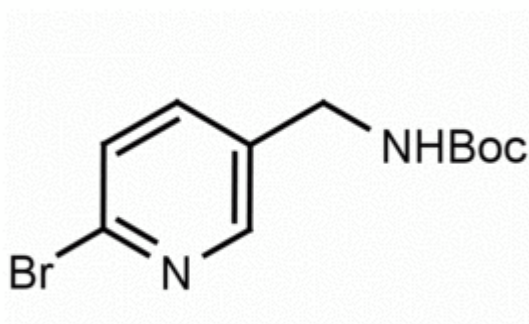


Product Name: 5-(N-Boc-aminomethyl)-2-bromopyridine

Catalog Number: A10393



Sizes Available: 500 mg, 1 g, 5 g, and larger sizes available

Molecular weight: 287.15 g/mol

Molecular Formula: C₁₁H₁₅BrN₂O₂

CAS Number: 864266-29-5

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

Synonyms: 864266-29-5, tert-Butyl ((6-bromopyridin-3-yl)methyl)carbamate
5-(N-BOC-AMINOMETHYL)-2-BROMOPYRIDINE, tert-butyl N-[(6-bromopyridin-3-yl)methyl]carbamate, tert-Butyl [(6-bromopyridin-3-yl)methyl]carbamate, SCHEMBL507338

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

5-(N-Boc-aminomethyl)-2-bromopyridine, is a synthetic fine chemical useful in the synthesis of pharmaceuticals and fine organic chemicals.

Selected References:

1. Amarne, H.; Baik, C.; Murphy, S. K.; Wang, S., [Steric and Electronic Influence on Photochromic Switching of N,C-Chelate Four-Coordinate Organoboron Compounds](#). *Chem. - Eur. J.* **2010**, *16* (16), 4750-4761, S4750/1-S4750/77.
2. Dick, G. R.; Knapp, D. M.; Gillis, E. P.; Burke, M. D., [General method for synthesis of 2-heterocyclic N-methyliminodiacetic acid boronates](#). *Org. Lett.* **2010**, *12* (10), 2314-2317.
3. Hibi, S.; Ueno, K.; Nagato, S.; Kawano, K.; Ito, K.; Norimine, Y.; Takenaka, O.; Hanada, T.; Yonaga, M., [Discovery of 2-\(2-Oxo-1-phenyl-5-pyridin-2-yl-1,2-dihydropyridin-3-yl\)benzotrile \(Perampanel\): A Novel, Noncompetitive \$\alpha\$ -Amino-3-hydroxy-5-methyl-4-isoxazolepropanoic Acid \(AMPA\) Receptor Antagonist](#). *J. Med. Chem.* **2012**, *55* (23), 10584-10600.
4. Loren, J. C.; Siegel, J. S., [Synthesis and fluorescence properties of manisyl-substituted terpyridine, bipyridine, and phenanthroline](#). *Angew. Chem., Int. Ed.* **2001**, *40* (4), 754-757.
5. Lutzen, A.; Hapke, M.; Griep-Raming, J.; Haase, D.; Saak, W., [Synthesis and stereoselective self-assembly of double- and triple-stranded helicates](#). *Angew. Chem., Int. Ed.* **2002**, *41* (12), 2086-2089.
6. Rajamalli, P.; Senthilkumar, N.; Huang, P. Y.; Ren-Wu, C. C.; Lin, H. W.; Cheng, C. H., [New Molecular Design Concurrently Providing Superior Pure Blue, Thermally Activated Delayed Fluorescence and Optical Out-Coupling Efficiencies](#). *J. Am. Chem. Soc.* **2017**, *139* (32), 10948-10951.
7. Roppe, J.; Smith, N. D.; Huang, D.; Tehrani, L.; Wang, B.; Anderson, J.; Brodtkin, J.; Chung, J.; Jiang, X.; King, C.; Munoz, B.; Varney, M. A.; Prasit, P.; Cosford, N. D. P., [Discovery of Novel Heteroarylazoles That Are Metabotropic Glutamate Subtype 5 Receptor Antagonists with Anxiolytic Activity](#). *J. Med. Chem.* **2004**, *47* (19), 4645-4648.
8. Shieh, S.-J.; Chou, C.-C.; Lee, G.-H.; Wang, C.-C.; Peng, S.-M., [Linear pentanuclear complexes containing a chain of metal atoms: \[Co5II\(\$\mu\$ 5-tpda\)4\(NCS\)2\] and \[Ni5II\(\$\mu\$ 5-tpda\)4Cl2\]](#). *Angew. Chem., Int. Ed. Engl.* **1997**, *36* (1/2), 56-59.
9. Tamao, K.; Kodama, S.; Nakajima, I.; Kumada, M.; Minato, A.; Suzuki, K., [Nickel-phosphine complex-catalyzed Grignard coupling. II. Grignard coupling of heterocyclic compounds](#). *Tetrahedron* **1982**, *38* (22), 3347-54.
10. Wells, G.; Berry, J. M.; Bradshaw, T. D.; Burger, A. M.; Seaton, A.; Wang, B.; Westwell, A. D.; Stevens, M. F. G., [4-Substituted 4-Hydroxycyclohexa-2,5-dien-1-ones with Selective Activities against Colon and Renal Cancer Cell Lines](#). *J. Med. Chem.* **2003**, *46* (4), 532-541.

Hazardous Properties and Cautions: The toxicological and pharmacological properties of this compound are not fully known. For further information see the MSDS on request. **5-(N-Boc-aminomethyl)-2-bromopyridine** 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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