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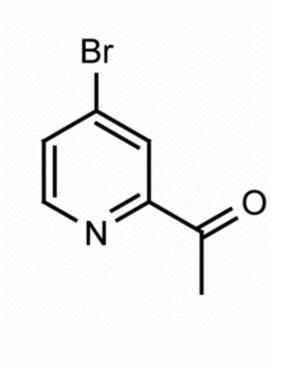
Technical Data Sheet Catalog No: Y14744

For research use only

Not intended or approved for diagnostic or therapeutic use.

Product Name: 1-(4-Bromopyridin-2-yl)ethanone

Catalog Number: Y14744



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

Molecular weight: 200.03 g/mol

Molecular Formula: C₇H₆BrNO

CAS Number: 1060805-69-7

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

Synonyms: None found

Uses: Synthesis building block, nitrogen heterocycle, bromine reactions, ketone reactions

1-(4-Bromopyridin-2-yl)ethanone, is a synthetic fine chemical useful in the synthesis of pharmaceuticals and fine organic chemicals.

Selected References:

Becica, Joseph, Damian P. Hruszkewycz, Janelle E. Steves, Jennifer M. Elward, David C. Leitch, and Graham E. Dobereiner. Adbippyphos Promotes Pd-Catalyzed C-N Coupling between Weakly Nucleophilic Sulfonamides and Heteroaryl Halides. *ChemRxiv*, no. (2019): 1–6.

Joseph Becica, Damian P. Hruszkewycz, Janelle E. Steves, Jennifer M. Elward, David C. Leitch, and Graham E. Dobereiner High-Throughput Discovery and Evaluation of a General Catalytic Method for N-Arylation of Weakly Nucleophilic Sulfonamides. *Organic Letters* 21, no. (2019): 8981–86. https://doi.org/10.1021/acs.orglett.9b03380.

Fosso, Marina Y., Harry III LeVine, Keith D. Green, Oleg V. Tsodikov, and Sylvie. Garneau-Tsodikova. Effects of Structural Modifications on the Metal Binding, Anti-Amyloid Activity, and Cholinesterase Inhibitory Activity of Chalcones. *Organic & Biomolecular Chemistry* 13, no. (2015): 9418–26. <u>https://doi.org/10.1039/C5OB01478F</u>.

Ozawa, Hironobu, Takahiro Kuroda, Shohei Harada, and Hironori. Arakawa. Efficient Ruthenium Sensitizer with a Terpyridine Ligand Having a Hexylthiophene Unit for Dye-Sensitized Solar Cells: Effects of the Substituent Position on the Solar Cell Performance. *European Journal of Inorganic Chemistry* 2014, no. (2014): 4734–39. <u>https://doi.org/10.1002/ejic.201402530</u>.

Ozawa, Hironobu, Yasuyuki Yamamoto, Hiroki Kawaguchi, Ryosuke Shimizu, and Hironori. Arakawa. Ruthenium Sensitizers with a Hexylthiophene-Modified Terpyridine Ligand for Dye-Sensitized Solar Cells: Synthesis, Photo- and Electrochemical Properties, and Adsorption Behavior to the TiO2 Surface. *ACS Applied Materials & Interfaces* 7, no. (2015): 3152–61. <u>https://doi.org/10.1021/am507442s</u>.

Rombouts, Frederik J. R., Gary Tresadern, Oscar Delgado, Carolina Martinez-Lamenca, Michiel Van Gool, Aranzazu Garcia-Molina, Sergio A. Alonso de Diego, et al. 1,4-Oxazine β-Secretase 1 (BACE1) Inhibitors: From Hit Generation to Orally Bioavailable Brain Penetrant Leads. *Journal of Medicinal Chemistry* 58, no. (2015): 8216–35. <u>https://doi.org/10.1021/acs.jmedchem.5b01101</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. **1-(4-Bromopyridin-2-yl)ethanone** 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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