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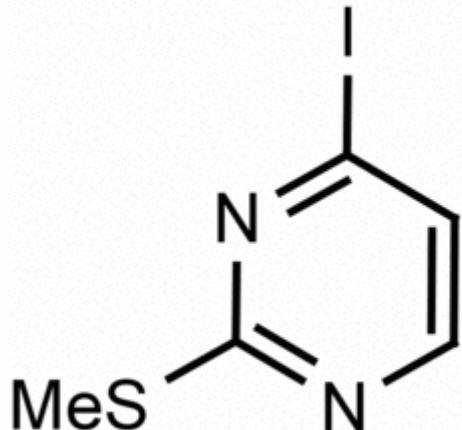
Technical Data Sheet

Catalog No: I7543

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

Product Name: 4-Iodo-2-(methylthio)pyrimidine

Catalog Number: I7543



Sizes Available: 1 g, 5 g, 25 g, and larger sizes available

Molecular weight: 252.08 g/mol

Molecular Formula: C₅H₅IN₂S

CAS Number: 1122-74-3

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

Synonyms: 4-Iodo-2-(methylthio)pyrimidine, 1122-74-3, 4-iodo-2-methylsulfanylpyrimidine, 4-iodo-2-(methylsulfanyl)pyrimidine, 4-iodo-2-(methylthio)pyrimidine, 4-iodo-2-methylsulfanyl-pyrimidine, 4-iodo-2-methylthiopyrimidine
Pyrimidine, 4-iodo-2-(methylthio)-, 4-ODO-2-(METHYLTHIO)-PYRIMIDINE, 4-iodo-2-(methylsulphanyl)pyrimidine, MFCD01319020, PubChem5294, 2-methylthio4-iodopyrimidine
2-methylthio-4-iodopyrimidine, SCHEMBL164463

Uses: Synthesis building block, Organic Synthesis, pyrimidine nitrogen heterocycle, synthesis, iodo arene reactions

4-Iodo-2-(methylthio)pyrimidine, is a synthetic fine chemical useful in the synthesis of pharmaceuticals and fine organic chemicals.

Iodoarene Reactions and Selected References:

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Ishiyama, Tatsuo, Hiroe Kizaki, Norio Miyaura, and Akira. Suzuki. Synthesis of Unsymmetrical Biaryl Ketones via Palladium-Catalyzed Carbonylative Cross-Coupling Reaction of Arylboronic Acids with Iodoarenes. *Tetrahedron Letters* 34, (1993): 7595–98. [https://doi.org/10.1016/S0040-4039\(00\)60409-4](https://doi.org/10.1016/S0040-4039(00)60409-4).

Join, Benoit, Takuya Yamamoto, and Kenichiro. Itami. Iridium Catalysis for C-H Bond Arylation of Heteroarenes with Iodoarenes. *Angewandte Chemie, International Edition* 48, (2009): 3644–47, S3644/1-S3644/79. <https://doi.org/10.1002/anie.200806358>.

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Li, Yin, Xiaoyong M. Hong, David M. Collard, and Mostafa A. El-Sayed. Suzuki Cross-Coupling Reactions Catalyzed by Palladium Nanoparticles in Aqueous Solution. *Organic Letters* 2, (2000): 2385–88. <https://doi.org/10.1021/o10061687>.

Morimoto, Hiroyuki, Tetsu Tsubogo, Nichole D. Litvinas, and John F. Hartwig. A Broadly Applicable Copper Reagent for Trifluoromethylations and Perfluoroalkylations of Aryl Iodides and

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Hazardous Properties and Cautions: The toxicological and pharmacological properties of this compound are not fully known. For further information see the MSDS on request. **4-Iodo-2-(methylthio)pyrimidine** 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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