

Frontier Scientific, Inc. P.O. Box 31 Logan, UT 84323-0031 Phone: 1-435-753-1901 www.frontiersci.com sales@frontiersci.com **Technical Data Sheet**

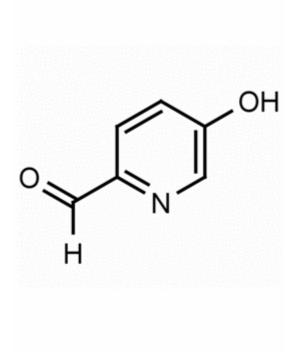
Catalog No: F13611

For research use only

Not intended or approved for diagnostic or therapeutic use.

Product Name: 2-Formyl-5-hydroxypyridine

Catalog Number: F13611



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

Molecular weight: 123.11 g/mol

Molecular Formula: C₆H₅NO₂

CAS Number: 31191-08-9

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

Synonyms: 5-hydroxypicolinaldehyde, 31191-08-9, 5-hydroxypyridine-2-carbaldehyde 5-Hydroxypyridine-2-carboxaldehyde, 5-HYDROXY-2-PYRIDINECARBOXALDEHYDE, 2-Formyl-5-hydroxypyridine, 2-Pyridinecarboxaldehyde, 5-hydroxy-, 5-hydroxy-2-formylpyridine, MFCD10697538, 5-HYDROXY-2-PYRIDINECARBALDEHYDE, NSC127948, Picolinaldehyde, dimer, 6-Formyl-3-pyridinol, 2-formyl-5-hydroxy pyridine, SCHEMBL179115

Uses: Synthesis building block, Organic Synthesis, pyridine nitrogen heterocycle, synthesis, aldehyde, formyl reactions

2-Formyl-5-hydroxypyridine, is a synthetic fine chemical useful in the synthesis of pharmaceuticals and fine organic chemicals.

Selected References:

Barman, Sanmitra, Katharine L. Diehl, and Eric V. Anslyn. The Effect of Alkylation, Protonation, and Hydroxyl Group Substitution on Reversible Alcohol and Water Addition to 2- and 4-Formyl Pyridine Derivatives. *RSC Advances* 4, (2014): 28893–900. https://doi.org/10.1039/C4RA03466J.

Blanz, Erwin J., Jr., and Frederic A. French. Carcinostatic Activity of 5-Hydroxy-2-Formylpyridine Thiosemicarbazone. *Cancer Research* 28, (1968): 2419–22.

laroshenko, Viktor O., Satenik Mkrtchyan, Gagik Ghazaryan, Ani Hakobyan, Aneela Maalik, Linda Supe, Alexander Villinger, et al. 3-(Dichloroacetyl)Chromone; a New Building Block for the Synthesis of Formylated Purine Isosteres: Design and Synthesis of Fused α-(Formyl)Pyridines. Synthesis, (2011): 469–79. https://doi.org/10.1055/s-0030-1258364.

Mukherjee, Kana M., T. N. Misra, and S. K. Nandy. Surface Enhanced Raman Spectroscopic Study of Isomeric Formyl Pyridines in Silver Colloid. *Journal of Colloid and Interface Science* 181, (1996): 413–21. https://doi.org/10.1006/jcis.1996.0398.

Queguiner, Guy, Michel Alas, and Paul. Pastour. 2-Formyl-3(and 4 and 5)-(Deuteroformyl)Pyridines and Their N-Oxides and 5-Deuteropyrido[2,3-d]Pyridazine. *Comptes Rendus Des Seances de l'Academie Des Sciences, Serie C: Sciences Chimiques* 268, (1969): 1531–34.

Queguiner, Guy, and Alain. Godard. Photochemical and Chemical Isomerization of 2,3- and 3,4- Diformyl-Pyridines and 2,3-Diformylquinoline. *Comptes Rendus Des Seances de l'Academie Des Sciences, Serie C: Sciences Chimiques* 269, (1969): 1646–49.

Queguiner, Guy, and Paul. Pastour. Synthesis in the Pyridine Series. V. Study of the Reduction of Ethyl Pyridinedicarboxylates. *Bulletin de La Societe Chimique de France*, (1969): 3678–83.

Hazardous Properties and Cautions: The toxicological and pharmacological properties of this compound are not fully known. For further information see the MSDS on request. **2-Formyl-5-hydroxypyridine** 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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