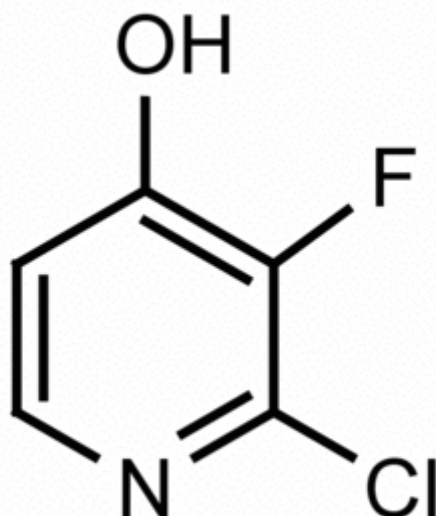


Product Name: 2-Chloro-3-fluoro-4-hydroxypyridine

Catalog Number: C13480



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

Molecular weight: 147.53 g/mol

Molecular Formula: C₅H₃ClFNO

CAS Number: 1184172-46-0

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

Synonyms: 2-Chloro-3-fluoropyridin-4-ol, 1184172-46-0, 2-CHLORO-3-FLUORO-4-HYDROXYPYRIDINE, 2-chloro-3-fluoro-1H-pyridin-4-one, SCHEMBL4374332, 2-Chloro-3-fluoropyridine-4-ol

Uses: Synthesis reagent, building block, pyridine heterocycle, fluorochemical

2-Chloro-3-fluoro-4-hydroxypyridine, is a synthetic fine chemical useful in the synthesis of pharmaceuticals and fine organic chemicals.

Selected References:

[Preparation of imidazo\[1,2-a\]pyridinyl derivatives and their use in the treatment of disease](#), Peterson, Emily Anne; Evans, Ryan; Gao, Fang; Bolduc, Philippe; Pfaffenbach, Magnus; Xin, Zhili; May-Dracka, Tricia, PCT Int. Appl. (2020), WO 2020263980 A1 20201230

[Preparation of imidazo\[1,2-a\]pyridinyl derivatives as IRAK4 inhibitors](#), Hopkins, Brian T.; Pfaffenbach, Magnus; May-Dracka, Tricia; Evans, Ryan; Gao, Fang; Enyedy, Istvan; Xin, Zhili; Bolduc, Philippe; Peterson, Emily Anne PCT Int. Appl. (2020), WO 2020150626 A1 20200723

[Preparation of bicyclic heterocycle derivatives having selective BACE1 inhibitory activity](#), Ueno, Tatsuhiko; Fuchino, Kouki; Fujimoto, Kazuki; Rombouts, Frederik; Van den Bossche, Dries; Surkyn, Michel; De Cleyn, Michel PCT Int. Appl. (2019), WO 2019208509 A1 20191031

[Preparation of tetrahydropyranooxazine derivatives having selective BACE1 inhibitory activity](#), Tadano, Genta; Suzuki, Shinji; Kusakabe, Ken-Ichi, PCT Int. Appl. (2019), WO 2019208693 A1 20191031

[Novel synthetic approach to fluoro- and amido-disubstituted 3-hydroxypyridin-4-ones](#), Ma, Yongmin; Hider, Robert C., Journal of Fluorine Chemistry (2015), 173, 29-34. DOI:10.1016/j.jfluchem.2015.02.005

[Prediction of 3-hydroxypyridin-4-one \(HPO\) hydroxyl pKa values hydroxypyridin-4-one](#), Chen, Yu-Lin; Barlow, Dave J.; Kong, Xiao-Le; Ma, Yong-Min; Hider, Robert C., Dalton Transactions (2012), 41(21), 6549-6557. DOI:10.1039/c2dt12396g

[Design and Synthesis of Fluorinated Iron Chelators for Metabolic Study and Brain Uptake](#), Ma, Yongmin; Roy, Sourav; Kong, Xiaole; Chen, Yulin; Liu, Dingyong; Hider, Robert C., Journal of Medicinal Chemistry (2012), 55(5), 2185-2195. DOI:10.1021/jm201475u

[Fluorinated pyridin-4-ones as metal chelating agents useful in the treatment of metal ion related diseases and their preparation](#), Hider, Robert Charles; Ma, Yongmin, PCT Int. Appl. (2009), WO 2009103950 A1 20090827

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-Chloro-3-fluoro-4-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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