

Etoricoxib-D4

Chemical Properties

CAS No. : 1131345-14-6

Formula: C₁₈H₁₁D₄ClN₂O₂S

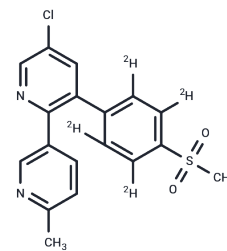
Molecular Weight: 362.87

Keep away from direct sunlight, Store at low temperature

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Etoricoxib-D4 is a deuterated form of Etoricoxib. Etoricoxib (T1574) is a synthetic non-steroidal anti-inflammatory compound, an orally available and selective COX-2 inhibitor with antipyretic, analgesic, and potential anticancer properties.
Targets(IC50)	COX

Solubility Information

Solubility	DMSO: 80 mg/mL (220.46 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7558 mL	13.779 mL	27.5581 mL
5 mM	0.5512 mL	2.7558 mL	5.5116 mL
10 mM	0.2756 mL	1.3779 mL	2.7558 mL
50 mM	0.0551 mL	0.2756 mL	0.5512 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Loh Gabriel Onn Kit, et al. Fast and Sensitive HPLC-ESI-MS/MS Method for Etoricoxib Quantification in Human Plasma and Application to Bioequivalence Study. *Molecules* 27.17 (2022): 5706.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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