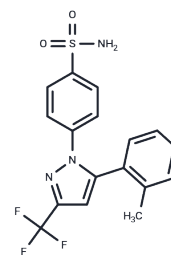


4-Desmethyl-2-methyl celecoxib

Chemical Properties

CAS No. :	170569-99-0
Formula:	C17H14F3N3O2S
Molecular Weight:	381.372
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	4-Desmethyl-2-methyl celecoxib (Compound 1g) is an orally active and selective cyclooxygenase-2 (COX-2) inhibitor, with an IC50 value of 0.069 μ M. It possesses anti-inflammatory, analgesic, and antipyretic properties and can reduce prostaglandin synthesis. This compound is a promising candidate for research into inflammatory diseases and pain-related conditions, such as rheumatoid arthritis and osteoarthritis.
Targets(IC50)	COX

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6221 mL	13.1106 mL	26.2213 mL
5 mM	0.5244 mL	2.6221 mL	5.2443 mL
10 mM	0.2622 mL	1.3111 mL	2.6221 mL
50 mM	0.0524 mL	0.2622 mL	0.5244 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481