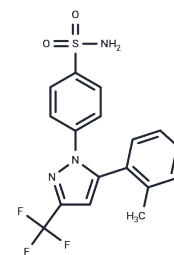


4-Desmethyl-2-methyl celecoxib

Chemical Properties

CAS No. :	170569-99-0
Formula:	C17H14F3N3O2S
Molecular Weight:	381.37
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 is a structural analog of celecoxib. As an orally available, highly selective cyclooxygenase-2 (COX-2) inhibitor ($IC_{50} = 0.069 \mu M$), it exerts anti-inflammatory, analgesic, and antipyretic effects, primarily by reducing prostaglandin synthesis. It is used in research on inflammatory and pain-related conditions such as rheumatoid arthritis and osteoarthritis.
Targets(IC_{50})	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.

Reference

Penning TD, et al. Synthesis and biological evaluation of the 1,5-diarylpyrazole class of cyclooxygenase-2 inhibitors: identification of 4-[5-(4-methylphenyl)-3-(trifluoromethyl)-1H-pyrazol-1-yl]benzenesulfonamide (SC-58635, celecoxib). *J Med Chem.* 1997 Apr 25;40(9):1347-65.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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