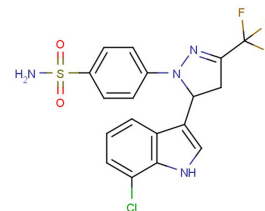


COX-2-IN-1

Chemical Properties

CAS No.:	787623-48-7
Formula:	C ₁₈ H ₁₄ ClF ₃ N ₄ O ₂ S
Molecular Weight:	442.84
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	COX-2-IN-1 is a potent and selective COX-2 inhibitor (IC ₅₀ : 3.9 μM).
Targets(IC ₅₀)	COX-2: 3.9 μM
In vitro	COX-2-IN-1 (compound 5f) is an inhibitor of COX-1 and COX-2 with IC ₅₀ s of >100 and 3.9 μM, respectively.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---------------------------------------------------------------

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.258 mL	11.291 mL	22.582 mL
5 mM	0.452 mL	2.258 mL	4.516 mL
10 mM	0.226 mL	1.129 mL	2.258 mL
50 mM	0.045 mL	0.226 mL	0.452 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Reddy MV, et al. Design, synthesis, and biological evaluation of 1-(4-sulfamylphenyl)-3-trifluoromethyl-5-indolyl pyrazolines as cyclooxygenase-2 (COX-2) and lipooxygenase (LOX) inhibitors. Bioorg Med Chem. 2008 Apr 1;16(7):3907-16.

Inhibitors · Natural Compounds · Compound Libraries

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:36 Washington Street,Wellesley Hills,MA 02481