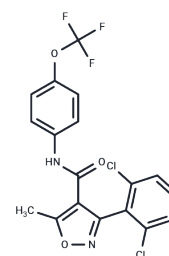


COX-2-IN-43

Chemical Properties

CAS No. :	1023524-40-4
Formula:	C ₁₈ H ₁₁ Cl ₂ F ₃ N ₂ O ₃
Molecular Weight:	431.19
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	COX-2-IN-43 (Compound MYM4) functions as a selective COX-2 inhibitor, exhibiting IC ₅₀ values of 0.983 μM for COX-1 and 0.247 μM for COX-2. It effectively inhibits cancer cell proliferation and colonization and also induces apoptosis [1].
Targets(IC ₅₀)	Apoptosis,COX
In vitro	COX-2-IN-43 inhibits the proliferation of CaCo-2, Hep3B, and HeLa cancer cells, with IC ₅₀ values of 10.22, 4.84, and 1.57 μM, respectively [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3192 mL	11.5958 mL	23.1916 mL
5 mM	0.4638 mL	2.3192 mL	4.6383 mL
10 mM	0.2319 mL	1.1596 mL	2.3192 mL
50 mM	0.0464 mL	0.2319 mL	0.4638 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

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