

COX-2-IN-52

Chemical Properties

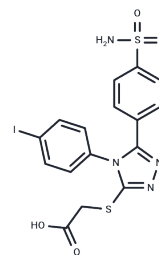
CAS No. :

Formula: C₁₆H₁₃N₄O₄S₂

Molecular Weight: 516.333

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-52 (Compound 5l) is an orally active and selective COX-2 inhibitor with an IC ₅₀ of 54 nM. It can suppress the release of NO in cells, exhibiting anti-inflammatory properties. COX-2-IN-52 offers high gastrointestinal safety and is suitable for research on oral anti-inflammatory drugs.
Targets(IC ₅₀)	COX

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9367 mL	9.6837 mL	19.3675 mL
5 mM	0.3873 mL	1.9367 mL	3.8735 mL
10 mM	0.1937 mL	0.9684 mL	1.9367 mL
50 mM	0.0387 mL	0.1937 mL	0.3873 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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