

COX-2-IN-14

Chemical Properties

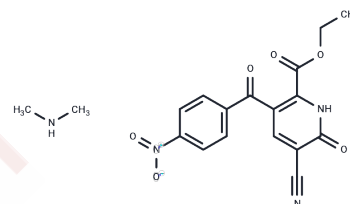
CAS No. : 2428387-48-6

Formula: C₁₈H₁₈N₄O₆

Molecular Weight: 386.364

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-14 (compound 2a) is a highly potent and selective inhibitor of COX-2 (cyclooxygenase-2), binding strongly at the active site of the COX-2 co-crystal. Demonstrating remarkable in vivo anti-inflammatory activity, COX-2-IN-14 effectively reduces ear edema and myeloperoxidase (MPO) activity in mice [1].
Targets(IC50)	Others,COX

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5883 mL	12.9413 mL	25.8826 mL
5 mM	0.5177 mL	2.5883 mL	5.1765 mL
10 mM	0.2588 mL	1.2941 mL	2.5883 mL
50 mM	0.0518 mL	0.2588 mL	0.5177 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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