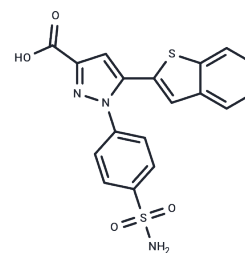


COX-2/5-LOX-IN-2

Chemical Properties

CAS No. : 2410384-59-5
 Formula: C₁₈H₁₃N₃O₄S₂
 Molecular Weight: 399.44
 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-2/5-LOX-IN-2 is a benzothiophen-2-ylpyrazole carboxylic acid derivative that inhibits both COX-2 and 5-LOX. COX-2/5-LOX-IN-2 (5b) has IC ₅₀ values of 5.40, 0.01, and 1.78 μM for COX-1, COX-2, and 5-LOX, respectively, and exhibits greater analgesic and anti-inflammatory activities than Celecoxib and Indomethacin.
Targets(IC ₅₀)	Others,COX

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5035 mL	12.5175 mL	25.035 mL
5 mM	0.5007 mL	2.5035 mL	5.007 mL
10 mM	0.2504 mL	1.2518 mL	2.5035 mL
50 mM	0.0501 mL	0.2504 mL	0.5007 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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