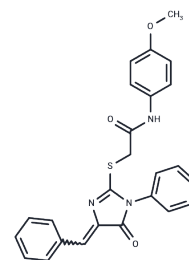


COX-2/15-LOX-IN-5

Chemical Properties

CAS No. :	443790-30-5
Formula:	C ₂₅ H ₂₁ N ₃ O ₃ S
Molecular Weight:	443.52
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-2/15-LOX-IN-5 (Compound 4f) functions as a dual inhibitor of COX-2 and 15-LOX, demonstrating both anti-inflammatory and antioxidant properties [1]. This compound effectively reduces NF-κB activation in RAW 264.7 macrophages that is induced by lipopolysaccharide.
Targets(IC50)	NF-κB, COX, Lipoxygenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2547 mL	11.2734 mL	22.5469 mL
5 mM	0.4509 mL	2.2547 mL	4.5094 mL
10 mM	0.2255 mL	1.1273 mL	2.2547 mL
50 mM	0.0451 mL	0.2255 mL	0.4509 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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