

WY-50295

Chemical Properties

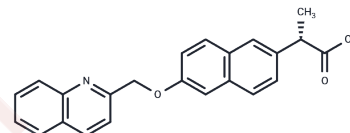
CAS No. : 123016-21-7

Formula: C₂₃H₁₉NO₃

Molecular Weight: 357.40

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	WY-50295 is an orally active and selective 5-lipoxygenase inhibitor. In rat whole blood leukocytes, WY-50295 inhibits LTB ₄ formation with an IC ₅₀ of 40 μM and an oral ED ₅₀ of 18 mg/kg. WY-50295 is applicable for research into asthma and other leukotriene-dependent conditions.
Targets(IC ₅₀)	Lipoxygenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.798 mL	13.9899 mL	27.9799 mL
5 mM	0.5596 mL	2.798 mL	5.596 mL
10 mM	0.2798 mL	1.399 mL	2.798 mL
50 mM	0.056 mL	0.2798 mL	0.5596 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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