

SR2640

Chemical Properties

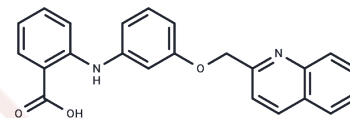
CAS No. : 105350-26-3

Formula: C₂₃H₁₈N₂O₃

Molecular Weight: 370.401

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	SR2640 is a potent and highly selective LTD ₄ /LTE ₄ antagonist, specifically inhibiting LTD ₄ -induced contractions in guinea pig ileum and tracheal smooth muscle in a concentration-dependent manner, without affecting histamine-induced contractions. It blocks the binding of 0.4 nM [³ H]LTD ₄ to guinea pig lung membrane receptors with an IC ₅₀ of 23 nM. SR2640 also causes a parallel rightward shift in the dose-response curve for LTD ₄ -induced bronchoconstriction in guinea pigs when administered intravenously, with the degree of shift correlating positively with its dosage. SR2640 is applicable for asthma research.
Targets(IC ₅₀)	Leukotriene Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6998 mL	13.4989 mL	26.9978 mL
5 mM	0.540 mL	2.6998 mL	5.3996 mL
10 mM	0.270 mL	1.3499 mL	2.6998 mL
50 mM	0.054 mL	0.270 mL	0.540 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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