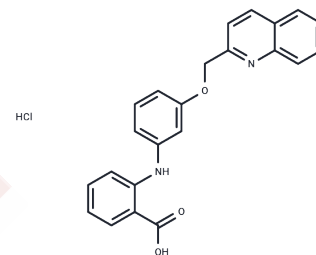


## SR 2640 hydrochloride

## Chemical Properties

CAS No. : 146662-42-2  
 Formula: C<sub>23</sub>H<sub>19</sub>ClN<sub>2</sub>O<sub>3</sub>  
 Molecular Weight: 406.86  
 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	SR 2640 hydrochloride is a competitive antagonist of leukotriene D4 and E4 and can be used in studies about leukotrienes in human asthma.
Targets(IC50)	Leukotriene Receptor
In vivo	In Guinea pigs, intravenous injection of SR2640 (1 mg/kg) prevents the contractile responses of the ileum and trachea to leukotriene D4 and E4[1].

## Solubility Information

Solubility	DMSO: 225 mg/mL (553.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (12.29 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	2.4578 mL	12.2892 mL	24.5785 mL
5 mM	0.4916 mL	2.4578 mL	4.9157 mL
10 mM	0.2458 mL	1.2289 mL	2.4578 mL
50 mM	0.0492 mL	0.2458 mL	0.4916 mL

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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.

### Reference

Ahnfelt-Rønne I, Kirstein D, Kaergaard-Nielsen C. A novel leukotriene D4/E4 antagonist, SR2640 (2-[3-(2-quinolylmethoxy)phenylamino]benzoic acid). Eur J Pharmacol. 1988;155(1-2):117-128.

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