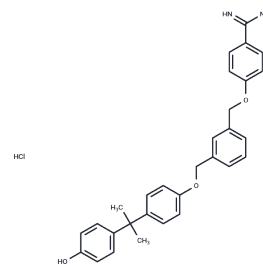


BIIL-260 hydrochloride

Chemical Properties

CAS No. :	192581-24-1
Formula:	C ₃₀ H ₃₁ ClN ₂ O ₃
Molecular Weight:	503.03
Storage:	Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	BIIL-260 hydrochloride is an orally active and highly efficient leukotriene B ₄ (LTB ₄) receptor antagonist with anti-inflammatory activity. It interacts with the LTB ₄ receptor in a saturable, reversible, and competitive manner, inhibiting LTB ₄ -induced intracellular Ca ²⁺ release in human neutrophils.
Targets(IC50)	LTR, Leukotriene Receptor
In vitro	BIIL-260 hydrochloride binds to the LTB ₄ receptor in a reversible, competitive and saturable manner, exhibiting high affinity for the LTB ₄ receptor on isolated human neutrophil membranes, with a K _i value of 1.7 nM. In addition, BIIL-260 hydrochloride significantly inhibits LTB ₄ -induced intracellular calcium release in human neutrophils, with an IC ₅₀ value of 0.82 nM. [1]
In vivo	In a monkey model, a single oral dose of 0.3 mg/kg of BIIL-260 hydrochloride completely inhibited LTB ₄ receptor activity within 24 hours by detecting LTB ₄ -induced neutropenia or Mac1 expression. [1]

Solubility Information

Solubility	DMSO: 100 mg/mL (198.8 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.988 mL	9.9398 mL	19.8795 mL
5 mM	0.3976 mL	1.988 mL	3.9759 mL
10 mM	0.1988 mL	0.994 mL	1.988 mL
50 mM	0.0398 mL	0.1988 mL	0.3976 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.

Reference

Birke FW, et al. In vitro and in vivo pharmacological characterization of BIIL 284, a novel and potent leukotriene B (4) receptor antagonist. J Pharmacol Exp Ther. 2001 Apr;297(1):458-66.

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