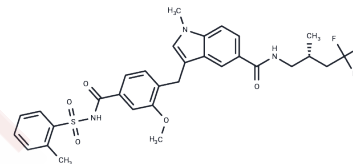


## Masilukast

## Chemical Properties

CAS No. :	136564-68-6
Formula:	C <sub>31</sub> H <sub>32</sub> F <sub>3</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight:	615.66
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	Masilukast(MCC-847) is an oral leukotriene D <sub>4</sub> (LTD <sub>4</sub> ) receptor antagonist for the study of diseases associated with inflammation.
Targets(IC <sub>50</sub> )	Leukotriene Receptor

## Solubility Information

Solubility	DMSO: 50 mg/mL (81.21 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	1.6243 mL	8.1214 mL	16.2427 mL
5 mM	0.3249 mL	1.6243 mL	3.2485 mL
10 mM	0.1624 mL	0.8121 mL	1.6243 mL
50 mM	0.0325 mL	0.1624 mL	0.3249 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

Rhinitis A. Respiratory drug development compendium 2002. Drugs of the Future. 2002, 27(12): 1181-1194.

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