

Cevidopenib dimesylate

Chemical Properties

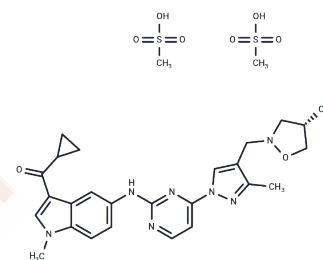
CAS No. : 2043659-93-2

Formula: C₂₇H₃₅N₇O₉S₂

Molecular Weight: 665.74

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	Cevidopenib dimesylate is an inhibitor of spleen tyrosine kinase (Syk), possessing anti-inflammatory and immunomodulating properties.
Targets(IC50)	Syk
In vitro	Cevidopenib dimesylate inhibits the activity of SYK through binding to SYK, blocking Fc receptor and B-cell receptor (BCR)-mediated signaling in inflammatory cells, including macrophages, neutrophils, mast cells, natural killer (NK) cells, and B cells[2].

Solubility Information

Solubility	DMSO: 20 mg/mL (30.04 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: 2 mg/mL (3 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

	1mg	5mg	10mg
1 mM	1.5021 mL	7.5104 mL	15.0209 mL
5 mM	0.3004 mL	1.5021 mL	3.0042 mL
10 mM	0.1502 mL	0.751 mL	1.5021 mL
50 mM	0.030 mL	0.1502 mL	0.3004 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

International Nonproprietary Names for Pharmaceutical Substances (INN). WHO Drug Information, Vol. 31, No. 4, 2017.

cevidoplenib dimesylate.

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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