Cevidoplenib dimesylate

Cat. No.: HY-109082A

CAS No.: 2043659-93-2

Molecular Formula: $C_{27}H_{35}N_7O_9S_2$

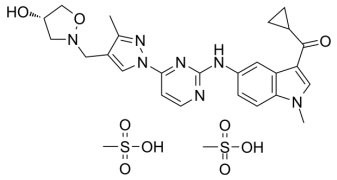
Molecular Weight: 665.74

Target: Syk

Pathway: Protein Tyrosine Kinase/RTK

Storage: 4°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (37.55 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	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	0.7510 mL	1.5021 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (3.76 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (3.76 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Cevidoplenib is an orally available inhibitor of spleen tyrosine kinase (Syk), with potential anti-inflammatory and immunomodulating activities[1][2].

REFERENCES

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

[2]. cevidoplenib dimesylate.

Caution: Product has not been fully validated for medical applications. For research use only.

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