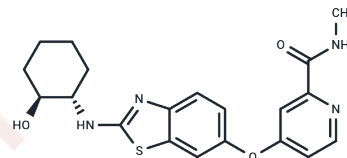


(S)-BLZ-945

Chemical Properties

CAS No. : 953769-26-1
 Formula: C₂₀H₂₂N₄O₃S
 Molecular Weight: 398.48
 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	(S)-BLZ-945 is an enantiomer of BLZ-945 and exhibits inhibitory activity against CSF1R (IC ₅₀ = 0.8 nM). BLZ-945 is a selective, potent, and brain-penetrant CSF-1R (c-Fms) inhibitor (IC ₅₀ = 1 nM).
Targets(IC50)	c-Fms

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5095 mL	12.5477 mL	25.0954 mL
5 mM	0.5019 mL	2.5095 mL	5.0191 mL
10 mM	0.251 mL	1.2548 mL	2.5095 mL
50 mM	0.0502 mL	0.251 mL	0.5019 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

WO2012151541A1 - Csf-1r inhibitors for treatment of brain tumors.

Kasai H, Takahashi K, Ando T. Chemical modification of tyrosine residues in ribonuclease T1 with N-acetylimidazole and p-diazobenzenesulfonic acid. J Biochem. 1977 Jun;81(6):1751-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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