

GENZ-882706

Chemical Properties

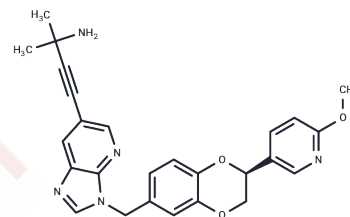
CAS No. : 2070864-35-4

Formula: C₂₆H₂₅N₅O₃

Molecular Weight: 455.51

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	GENZ-882706 is a potent colony stimulating factor-1 receptor (CSF-1R) inhibitor.
Targets(IC50)	c-Fms,CSF-1R
In vitro	Genz-882706 enhances proliferative activity in unstimulated cells 48 hours post-treatment.
In vivo	Daily administration of Genz-882706 markedly attenuates experimental autoimmune encephalomyelitis (EAE) severity. In EAE-affected mice, Genz-882706 significantly lowers MCP-1, IL-6, IL-1 β , and IP-10 levels in spinal cord homogenates, contrasting sharply with those treated with a vehicle. Conversely, TNF- α levels in the spinal cord notably increase following Genz-882706 treatment compared to the vehicle group. Furthermore, Genz-882706 administrations, at both 30 mg/kg and 100 mg/kg dosages, substantially decrease the population of microglia and monocytes/macrophages in the brain and spinal cord, standing out from vehicle and LPS controls. Additionally, Genz-882706 modestly diminishes CD80 expression on monocytes/macrophages within the brain.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1953 mL	10.9767 mL	21.9534 mL
5 mM	0.4391 mL	2.1953 mL	4.3907 mL
10 mM	0.2195 mL	1.0977 mL	2.1953 mL
50 mM	0.0439 mL	0.2195 mL	0.4391 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

Kane, et al. Colony Stimulating Factor-1 Receptor (CSF-1R) Inhibitors. WO 2017015267A1

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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