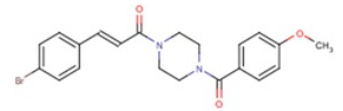


Data Sheet (Cat.No.T7156)

NIBR189

Chemical Properties

CAS No.:	1599432-08-2
Formula:	C ₂₁ H ₂₁ BrN ₂ O ₃
Molecular Weight:	429.32
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	NIBR189 is a potent and selective antagonist of EBI2 (GPR183) receptor (IC ₅₀ of 11 and 15 nM for human and mouse EBI2 receptors, respectively)
Targets(IC ₅₀)	human EBI2 (GPR183) receptor: 11 nM mouse EBI2 (GPR183) receptor: 15 nM
In vitro	NIBR189 is selective for EBI2 over a panel of other receptors, enzymes, and transporters. NIBR189 blocks the oysterol-induced migration of U937 monocytic cells.

Solubility Information

Solubility	DMSO: 47 mg/mL (109.48 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.329 mL	11.646 mL	23.293 mL
5 mM	0.466 mL	2.329 mL	4.659 mL
10 mM	0.233 mL	1.165 mL	2.329 mL
50 mM	0.047 mL	0.233 mL	0.466 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Gessier F , Preuss I , Yin H , et al. Identification and Characterization of Small Molecule Modulators of the Epstein–Barr Virus-Induced Gene 2 (EBI2) Receptor[J]. Journal of Medicinal Chemistry, 2014, 57(8):3358-3368.

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