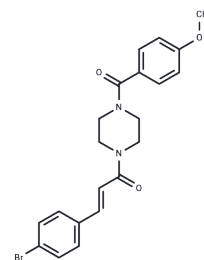


NIBR189

Chemical Properties

CAS No. : 1599432-08-2
Formula: C₂₁H₂₁BrN₂O₃
Molecular Weight: 429.31
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



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)	EBI2/GPR183
In vitro	NIBR189 is selective for EBI2 over a panel of other receptors, enzymes, and transporters. NIBR189 blocks the oxysterol-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	2.3293 mL	11.6466 mL	23.2932 mL
5 mM	0.4659 mL	2.3293 mL	4.6586 mL
10 mM	0.2329 mL	1.1647 mL	2.3293 mL
50 mM	0.0466 mL	0.2329 mL	0.4659 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.

Reference

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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