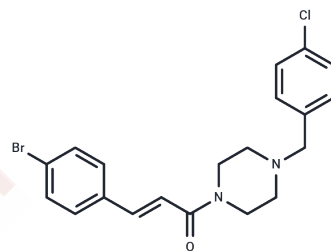


ML401

Chemical Properties

CAS No. : 1597489-14-9
 Formula: C₂₀H₂₀BrClN₂O
 Molecular Weight: 419.74
 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	ML401 is a selectively EBI2(GPR183) receptor antagonist(IC ₅₀ of 1.03 nM) .
Targets(IC ₅₀)	EBI2/GPR183

Solubility Information

Solubility	DMSO: 10 mg/mL (23.82 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.38 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3824 mL	11.9121 mL	23.8243 mL
5 mM	0.4765 mL	2.3824 mL	4.7649 mL
10 mM	0.2382 mL	1.1912 mL	2.3824 mL
50 mM	0.0476 mL	0.2382 mL	0.4765 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

Ardecky R, et al. Functional Antagonists of EBI-2. Probe Reports from the NIH Molecular Libraries Program [Internet].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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