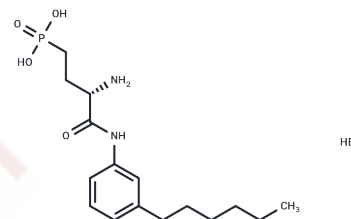


W140 HBr

## Chemical Properties

CAS No. : 1246817-25-3  
 Formula: C<sub>16</sub>H<sub>28</sub>BrN<sub>2</sub>O<sub>4</sub>P  
 Molecular Weight: 423.28  
 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	[(3S)-3-amino-4-(3-hexylanilino)-4-oxobutyl]phosphonic acid;hydrobromide is a S1P1 antagonist with Ki of 2.84 μM.
Targets(IC50)	LPL Receptor,S1P Receptor
In vitro	In a GTP-gSbindingassay, activation of hS1P1 receptors by physiological agonist S1P alone or in the presence of 10 μM [(3S)-3-amino-4-(3-hexylanilino)-4-oxobutyl] phosphonic acid;hydrobromide, the EC50 value was 0.8 nM or 50nM, respectively.

## Solubility Information

Solubility	DMSO: 55 mg/mL (129.94 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3625 mL	11.8125 mL	23.625 mL
5 mM	0.4725 mL	2.3625 mL	4.725 mL
10 mM	0.2363 mL	1.1813 mL	2.3625 mL
50 mM	0.0473 mL	0.2363 mL	0.4725 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

Sanna MG, et al. Enhancement of capillary leakage and restoration of lymphocyte egress by a chiral S1P1 antagonist in vivo. Nat Chem Biol. 2006 Aug;2(8):434-41.

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