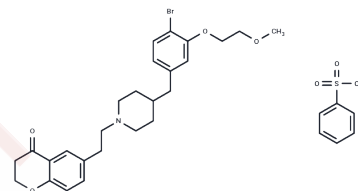


DSP-1053 benzenesulfonate

Chemical Properties

CAS No. : 1176326-78-5
 Formula: C₃₂H₃₈BrNO₇S
 Molecular Weight: 660.62
 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	DSP-1053, a benzylpiperidine derivative, is a potent serotonin transporter (SERT) inhibitor with a dissociation constant (K_i) of 1.02 nM and exhibits partial agonistic activity at the 5-HT _{1A} receptor with a K_i of 5.05 nM, indicating its potential as an antidepressant.
Targets(IC50)	Others,5-HT Receptor,Serotonin Transporter

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5137 mL	7.5686 mL	15.1373 mL
5 mM	0.3027 mL	1.5137 mL	3.0275 mL
10 mM	0.1514 mL	0.7569 mL	1.5137 mL
50 mM	0.0303 mL	0.1514 mL	0.3027 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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