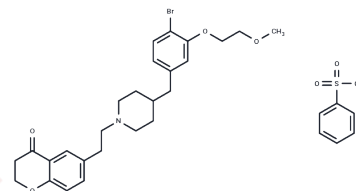


DSP-1053 benzenesulfonate

Chemical Properties

CAS No. : 1176326-78-5
Formula: C₃₂H₃₈BrNO₇S
Molecular Weight: 660.62
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	DSP-1053, a benzylpiperidine derivative, is a potent inhibitor of the serotonin transporter (SERT) 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.
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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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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