

(+)-OSU 6162

Chemical Properties

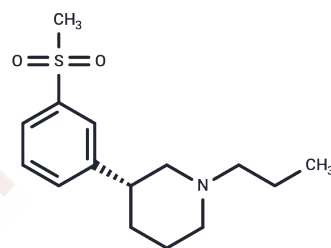
CAS No. : 160777-43-5

Formula: C₁₅H₂₃NO₂S

Molecular Weight: 281.41

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	(+)-OSU 6162 (Piperidine, 3-[3-(methylsulfonyl)phenyl]-1-propyl-, (3R)-) is an agonist of 5-HT Receptor with anti-Alzheimer and antidepressant activities.
Targets(IC50)	5-HT Receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (177.68 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: 2.5 mg/mL (8.88 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	3.5535 mL	17.7677 mL	35.5353 mL
5 mM	0.7107 mL	3.5535 mL	7.1071 mL
10 mM	0.3554 mL	1.7768 mL	3.5535 mL
50 mM	0.0711 mL	0.3554 mL	0.7107 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

Lizzie Maria Carlsson, et al. Phenylpiperidine compounds for the treatment of neurological and psychiatric disorders. US20130197032A1

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