

(2S,3S)-E1R

Chemical Properties

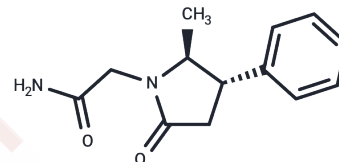
CAS No. : 1424832-57-4

Formula: C₁₃H₁₆N₂O₂

Molecular Weight: 232.28

Appearance: no data available

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



Biological Description

Description	(2S,3S)-E1R (Compound 2d) is an enantiomer of (2R,3R)-E1R, a sigma-1 receptor positive allosteric modulator for the treatment of cognition/memory disorders.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 500 mg/mL (2152.57 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	4.3051 mL	21.5257 mL	43.0515 mL
5 mM	0.861 mL	4.3051 mL	8.6103 mL
10 mM	0.4305 mL	2.1526 mL	4.3051 mL
50 mM	0.0861 mL	0.4305 mL	0.861 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.

Reference

Veinberg G, et al. Synthesis and biological evaluation of 2-(5-methyl-4-phenyl-2-oxopyrrolidin-1-yl)-acetamide stereoisomers as novel positive allosteric modulators of sigma-1 receptor. Bioorg Med Chem. 2013 May 15;21(10):2764-71.

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