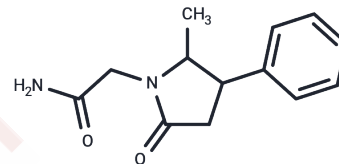


(Rac)-E1R

Chemical Properties

CAS No. : 787623-60-3
 Formula: C₁₃H₁₆N₂O₂
 Molecular Weight: 232.28
 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	(Rac)-E1R is the racemate of E1R. (Rac)-E1R is a sigma-1 receptor positive allosteric (Sig1R PAM) modulator of for the treatment of cognition/memory disorders.
Targets(IC50)	Others,Sigma receptor
In vitro	The Sigma-1 receptor significantly contributes to neuronal plasticity, a mechanism involved in the pathophysiology of neuropsychiatric diseases (e.g., Alzheimer's disease, major depressive disorders, and schizophrenia).

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.

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

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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