

Dineopentyl glutamate

Chemical Properties

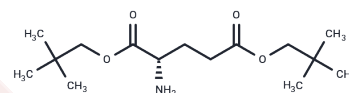
CAS No. : 111537-33-8

Formula: C₁₅H₂₉NO₄

Molecular Weight: 287.40

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	Dineopentyl glutamate is a bioactive chemical.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4795 mL	17.3974 mL	34.7947 mL
5 mM	0.6959 mL	3.4795 mL	6.9589 mL
10 mM	0.3479 mL	1.7397 mL	3.4795 mL
50 mM	0.0696 mL	0.3479 mL	0.6959 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

Hanaya R, Kiura Y, Kurisu K, Sakai N, Serikawa T, Sasa M. N-acetyl-L-aspartate activates hippocampal CA3 neurons in rodent slice preparations. Brain Res Bull. 2008 Mar 28;75(5):663-7. doi: 10.1016/j.brainresbull.2007.10.056. Epub 2007 Nov 26. PubMed PMID: 18355643.

Ivlev SV, Lipskaja EF, Mandelshtam YuE, Deiko LI. Effects of dineopentyl and dipinacoline ethers of glutamic acid on neuromuscular transmission in locust (*Locusta migratoria*). Gen Physiol Biophys. 1989 Apr;8(2):163-9. PubMed PMID: 2570733.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481