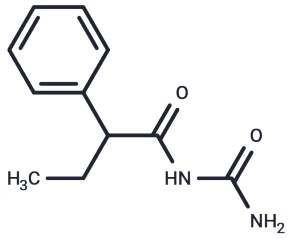
Data Sheet (Cat.No.T8594)

TargetMol

Pheneturide

Chemical Properties



CAS No. : 90-49-3

Formula: C11H14N2O2

Molecular Weight: 206.24

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	Pheneturide (Benuride) is the ureide class, used to treat epilepsy, and is an anticonvulsant.
Targets(IC50)	Others,Drug Metabolite

Solubility Information

Solubility	DMSO: 27.5 mg/mL (133.34 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 mg/mL (9.7 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8487 mL	24.2436 mL	48.4872 mL
5 mM	0.9697 mL	4.8487 mL	9.6974 mL
10 mM	0.4849 mL	2.4244 mL	4.8487 mL
50 mM	0.097 mL	0.4849 mL	0.9697 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

Latham A N , Richens A . Pheneturide, a more potent liver enzyme inducer in man than phenobarbitone?[J]. British Journal of Pharmacology, 1973, 47(3):615P.

A N Latham, A Richens.Pheneturide, a more potent liver enzyme inducer in man than phenobarbitone?Br J Pharmacol. 1973 Mar;47(3):615P.

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