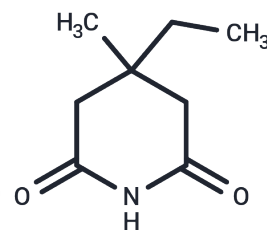


## Bemegride

## Chemical Properties

CAS No. :	64-65-3
Formula:	C <sub>8</sub> H <sub>13</sub> NO <sub>2</sub>
Molecular Weight:	155.19
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	Bemegride (3-Ethyl-3-methylglutarimide), a central nervous system stimulant, serves as an antidote for barbiturate poisoning.
Targets(IC50)	GABA Receptor
In vitro	Bemegride exhibits antagonistic activity on the GABAA receptor, equally suppressing whole-cell currents induced by both GABA and pentobarbitone. [1]

## Solubility Information

Solubility	H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: 29 mg/mL (186.87 mM),Sonication is recommended. DMSO: 60 mg/mL (386.62 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	6.4437 mL	32.2186 mL	64.4371 mL
5 mM	1.2887 mL	6.4437 mL	12.8874 mL
10 mM	0.6444 mL	3.2219 mL	6.4437 mL
50 mM	0.1289 mL	0.6444 mL	1.2887 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

Mistry DK, et al. Exp Physiol, 1990, 75(2),199-209.

Su C, Cheng C, Rong Z, et al. Repurposing fluphenazine as an autophagy modulator for treating liver cancer. Heliyon.2023

Arblaster CI, et al. Farmaco Sci. 1986 Jan, 41(1), 3-22.

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