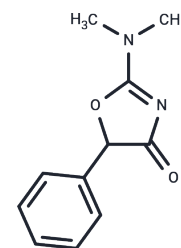


Thozalinone

Chemical Properties

CAS No. :	655-05-0
Formula:	C ₁₁ H ₁₂ N ₂ O ₂
Molecular Weight:	204.23
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	Thozalinone is a psychostimulant agent inducing the release of norepinephrine and dopamine.
Targets(IC50)	Others,Dopamine Receptor
In vivo	In ICR male mice, Thozalinone (100 mg/kg, ip) test (SI) appear to provide the best prediction for the PS-inducing potencies among DL-DOPA, apomorphine, and amphetamine.

Solubility Information

Solubility	DMSO: 27.5 mg/mL (134.65 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	4.8964 mL	24.4822 mL	48.9644 mL
5 mM	0.9793 mL	4.8964 mL	9.7929 mL
10 mM	0.4896 mL	2.4482 mL	4.8964 mL
50 mM	0.0979 mL	0.4896 mL	0.9793 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

Greenblatt EN, Osterberg AC. Some pharmacologic properties of thozalinone, a new excitant. Toxicol Appl Pharmacol. 1965 Jul;7(4):566-78.

Yen-Koo HC, Davis DA, Balazs T. Inhibition of dopaminergic agonist-induced gnawing behavior by neuroleptic drugs in mice. Drug Chem Toxicol. 1985;8(6):495-502.

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