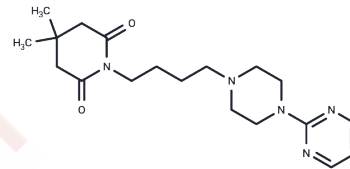


Gepirone

Chemical Properties

CAS No. :	83928-76-1
Formula:	C ₁₉ H ₂₉ N ₅ O ₂
Molecular Weight:	359.47
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	Gepirone is a 5-HT _{1A} receptor agonist belonging to the buspirone family. Gepirone HCl possesses greater selectivity for the 5-HT _{1A} receptor than SSRIs.
Targets(IC ₅₀)	5-HT Receptor

Solubility Information

Solubility	DMSO: 83.3 mg/mL (231.73 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 8.33 mg/mL (23.17 mM), Solution. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7819 mL	13.9094 mL	27.8187 mL
5 mM	0.5564 mL	2.7819 mL	5.5637 mL
10 mM	0.2782 mL	1.3909 mL	2.7819 mL
50 mM	0.0556 mL	0.2782 mL	0.5564 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

- Bayes M, Rabasseda X, Prous JR. Gateways to clinical trials. *Methods Find Exp Clin Pharmacol*. 2005 May;27(4):265-84.
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- Almási J, Rihmer Z. [Review of antidepressants from the TCAs to the third generation drugs]. *Neuropsychopharmacol Hung*. 2004 Dec;6(4):185-94. Review. Hungarian.
- Bayés M, Rabasseda X, Prous JR. Gateways to clinical trials. *Methods Find Exp Clin Pharmacol*. 2004 Nov;26(9):723-53.

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