

Zotepine

Chemical Properties

CAS No.:	26615-21-4
Formula:	C ₁₈ H ₁₈ CINOS
Molecular Weight:	331.86
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Zotepine is a second-generation antipsychotic with a primary use as a treatment for schizophrenia, although clinical trials have been conducted into its efficacy as an antimanic agent in patients with acute bipolar mania.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.013 mL	15.067 mL	30.133 mL
5 mM	0.603 mL	3.013 mL	6.027 mL
10 mM	0.301 mL	1.507 mL	3.013 mL
50 mM	0.060 mL	0.301 mL	0.603 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Chan HY, Lin AS, Chen KP, Cheng JS, Chen YY, Tsai CJ. An open-label, randomized, controlled trial of zotepine and risperidone for acutely ill, hospitalized, schizophrenic patients with symptoms of agitation. *J Clin Psychopharmacol*. 2013 Dec;33(6):747-52. doi: 10.1097/JCP.0b013e31829e8168. PubMed PMID: 24100785.
2. Lin CC, Chiu HJ, Chen JY, Liou YJ, Wang YC, Chen TT, Bai YM. Switching from clozapine to zotepine in patients with schizophrenia: a 12-week prospective, randomized, rater blind, and parallel study. *J Clin Psychopharmacol*. 2013 Apr;33(2):211-4. doi: 10.1097/JCP.0b013e31828700c7. PubMed PMID: 23422395.
3. Khairkar P, Gupta N, Varma SK. Zotepine-induced convulsive seizures in a chronic case of treatment resistant paranoid schizophrenia. *Indian J Pharmacol*. 2013 Jan-Feb;45(1):95-7. doi: 10.4103/0253-7613.106447. PubMed PMID: 23543675; PubMed Central PMCID: PMC3608308.
4. Chen IM, Hsieh MH, Hwang TJ, Liu CC. Zotepine-related myopathy in a patient with schizophrenia. *Eur J Clin Pharmacol*. 2013 Mar;69(3):725-6. doi: 10.1007/s00228-012-1346-y. Epub 2012 Jul 14. PubMed PMID: 22797903.

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