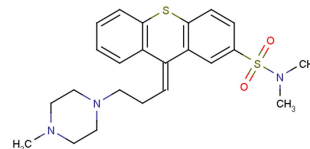


(Z)-Thiothixene

Chemical Properties

CAS No.:	3313-26-6
Formula:	C ₂₃ H ₂₉ N ₃ O ₂ S ₂
Molecular Weight:	443.63
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	(Z)-Thiothixene is an serotonergic receptor antagonist.
Targets(IC ₅₀)	serotonin: None
In vitro	(Z)-Thiothixene can promote cell survival and/or plasticity, and/or inhibit cell death, especially when toxic substances are exposed to cells including neuronal cells[1]. (Z)-Thiothixene is a Z (cis) isomer of thiothixene, as well as synthetic precursor and degradant[2].

Solubility Information

Solubility	DMSO: 12.5 mg/mL (28.18 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.254 mL	11.271 mL	22.541 mL
5 mM	0.451 mL	2.254 mL	4.508 mL
10 mM	0.225 mL	1.127 mL	2.254 mL
50 mM	0.045 mL	0.225 mL	0.451 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

- Illana Gozes, et al. Novel compounds and methods for inhibiting cell death. US 20150141345 A1.
- Severin G. Comprehensive high-performance liquid chromatographic methodology for the determination of thiothixene in bulk drug, finished product, and dissolution testing samples. J Pharm Sci. 1987 Mar;76(3):231-4.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481