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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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(Z)-Thiothixene

Cat. No.: HY-108324

CAS No.: 3313-26-6

Molecular Formula: $C_{23}H_{29}N_3O_2S_2$

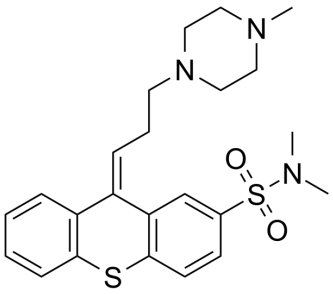
Molecular Weight: 443.63

Target: 5-HT Receptor

Pathway: GPCR/G Protein; Neuronal Signaling

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (22.54 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.2541 mL	11.2707 mL	22.5413 mL
	5 mM	0.4508 mL	2.2541 mL	4.5083 mL
	10 mM	0.2254 mL	1.1271 mL	2.2541 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 1 mg/mL (2.25 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 1 mg/mL (2.25 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 1 mg/mL (2.25 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(Z)-Thiothixene is an antagonist of serotonergic receptor extracted from patent US 20150141345 A1.

IC_{50} & Target

serotonin

In Vitro

(Z)-Thiothixene is capable of promoting cell survival and/or plasticity, and/or inhibiting cell death, especially when a toxic agent is exposed to the cells, including neuronal cells[1]. (Z)-Thiothixene is a Z (cis) isomer of thiothixene, as well as synthetic precursor and degradant[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Illana Gozes, et al. Novel compounds and methods for inhibiting cell death. US 20150141345 A1.

[2]. 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.

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