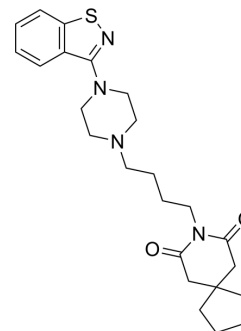


Tiospirone

Cat. No.:	HY-105034
CAS No.:	87691-91-6
Molecular Formula:	C ₂₄ H ₃₂ N ₄ O ₂ S
Molecular Weight:	440.6
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Tiospirone is a 5-HT₂ receptor antagonist with affinity for D₂, 5-HT_{1a}, and 5-HT₇, and sigma receptors. Tiospirone decreases consumption of ethanol while increasing food intake of rats. Tiospirone can also reduce the reinforcing properties of Cocaine exhibited in the conditioned place preference paradigm^{[1][2]}.

REFERENCES

- [1]. Arolfo MP, et, al. Effects of amperozide and tiospirone, atypical antipsychotic 5-HT₂ drugs, on food-reinforced behavior in rats. *Physiol Behav.* 1999 Dec;68(1-2):93-8.
- [2]. Arolfo MP, et, al. Tiospirone and the reinforcing effects of cocaine in the conditioned place preference paradigm in rats. *J Pharm Pharmacol.* 2000 Aug;52(8):977-81.

Caution: Product has not been fully validated for medical applications. For research use only.

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