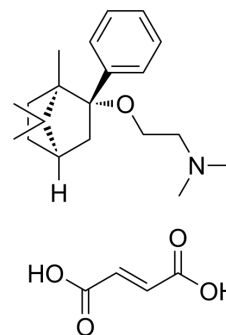


Deramciclane fumarate

Cat. No.:	HY-101630A
CAS No.:	120444-72-6
Molecular Formula:	C ₂₄ H ₃₅ NO ₅
Molecular Weight:	417.54
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

Deramciclane fumarate is an antagonist of 5-HT Receptor. Deramciclane fumarate is an inverse agonist of 5-HT_{2C} Receptor with an IC₅₀ of 168 nM. Deramciclane fumarate also decreases basal phosphoinositide hydrolysis^{[1][2]}.

REFERENCES

[1]. Pälvimäki EP, et al. eramciclane, a putative anxiolytic drug, is a serotonin 5-HT_{2C} receptor inverse agonist but fails to induce 5-HT_{2C} receptor down-regulation. *Psychopharmacology (Berl)*. 1998 Mar;136(2):99-104.

[2]. Kääriäinen TM, et al. Comparison of the effects of deramciclane, ritanserin and buspirone on extracellular dopamine and its metabolites in striatum and nucleus accumbens of freely moving rats. *Basic Clin Pharmacol Toxicol*. 2008 Jan;102(1):50-8.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA