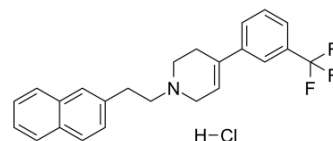


Xaliproden hydrochloride

Cat. No.:	HY-14604
CAS No.:	90494-79-4
Molecular Formula:	C ₂₄ H ₂₃ ClF ₃ N
Molecular Weight:	417.89
Target:	5-HT Receptor; Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description Xaliproden hydrochloride (SR57746A) is a potent, selective and orally active agonist of **5-HT_{1A} receptor**, shows a high affinity for 5-HT_{1A} specific binding sites in the rat hippocampus (IC₅₀=3 nM). Xaliproden hydrochloride is also a selective antagonist of **dopamine D₂ receptor**, has moderate affinity (IC₅₀=0.1-1 μM). Xaliproden hydrochloride exhibits anti-depression and anti-anxiety effects, and it may possess therapeutic potential for the research of neurodegenerative diseases^{[1][2][3]}.

IC₅₀ & Target	5-HT _{1A} Receptor	D ₂ Receptor
	3 nM (IC ₅₀)	0.1-1 μM (IC ₅₀)

REFERENCES

- [1]. Cervo L, et, al. Potential antidepressant properties of SR 57746A, a novel compound with selectivity and high affinity for 5-HT_{1A} receptors. *Eur J Pharmacol.* 1994 Feb 21; 253(1-2): 139-47.
- [2]. Simiand J, et, al. Neuropsychopharmacological profile in rodents of SR 57746A, a new, potent 5-HT_{1A} receptor agonist. *Fundam Clin Pharmacol.* 1993;7(8):413-27.
- [3]. Fournier J, et, al. Protective effects of SR 57746A in central and peripheral models of neurodegenerative disorders in rodents and primates. *Neuroscience.* 1993 Aug; 55(3): 629-41.

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

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