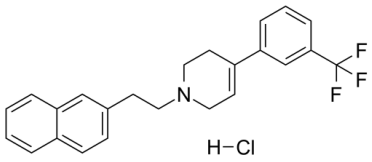
Data Sheet

Product Name:	Xaliproden (hydrochloride)
Cat. No.:	CS-0003470
CAS No.:	90494-79-4
Molecular Formula:	$C_{24}H_{23}ClF_3N$
Molecular Weight:	417.89
Target:	5-HT Receptor; Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Solubility:	DMSO : 33.33 mg/mL (79.76 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

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 (**IC_{50}**=3 nM). Xaliproden hydrochloride is also a selective antagonist of **dopamine D_2 receptor**, has moderate affinity (**IC_{50}**=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].

References:

[1]. Cervo L, et, al. Potential antidepressant properties of SR 57746A, a novel compound with selectivity and high affinity for 5-HT1A 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-HT1A 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.

CAIndexNames:

Pyridine, 1,2,3,6-tetrahydro-1-[2-(2-naphthalenyl)ethyl]-4-[3-(trifluoromethyl)phenyl]-, hydrochloride (1:1)

SMILES:

FC(C1=CC(C2=CCN(CCC3=CC=C4C=CC=CC4=C3)CC2)=CC=C1)(F)F.[H]Cl

Tel: 610-426-3128 Fax: 888-484-5008 E-mail: sales@ChemScene.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA