Product Data Sheet

Product Name: Sarizotan
Cat. No.: GC64530

Chemical Properties

Cas. No.	351862-32-3		
Formula	C22H21FN2O	M.Wt	348.41
Solubility	DMSO : 100 mg/mL (287.02 mM; Need ultrasonic)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	Sarizotan		

Background

Sarizotan (EMD 128130) is an orally active serotonin 5-HT1A receptor and dopamine receptor agonist. Sarizotan (EMD 128130) exhibits IC50 values of 6.5 nM (rat 5-HT1A), 0.1 nM (human 5-HT1A), 15.1 nM (rat D2), 17 nM (human D2), 6.8 nM (human D3) and 2.4 nM (human D4.2), respectively[1].

Sarizotan concentration-dependently inhibits the electrically-induced contractions with an IC50 value of 150 nM (Emax 40% at 1 mM) [1].

Sarizotan (3, 10 mg/kg, po) at the higher dose slightly decreases 5-HT in the striatum and its metabolite 5-HIAA in frontal cortex and hippocampus. Sarizotan (10 mg/kg, po) substantially increases the DA metabolites DOPAC and HVA in the striatum and frontal cortex[1].Sarizotan represents a new approach for the treatment of extrapyramidal motor complications such as l-DOPA-induced dyskinesia in Parkinson's disease[1].Sarizotan (10 ng and 1 µg, local administration) attenuates levodopa-induced dyskinesias in 6-OHDA-lesioned rats[2].

[1]. G D Bartoszyk, et al. Sarizotan, a Serotonin 5-HT1A Receptor Agonist and Dopamine Receptor Ligand. J Neural Transm (Vienna). 2004 Feb;111(2):113-26.
[2]. C Marin, et al. Local Administration of Sarizotan Into the Subthalamic Nucleus

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Attenuates Levodopa-Induced Dyskinesias in 6-OHDA-lesioned Rats. Psychopharmacology (Berl). 2009 Jun;204(2):241-50.

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