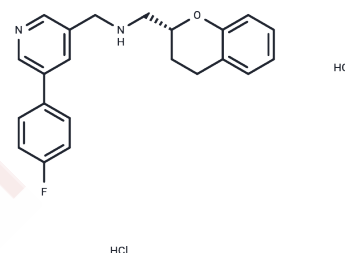


## Sarizotan 2HCl

### Chemical Properties

CAS No. : 177976-12-4  
 Formula: C<sub>22</sub>H<sub>23</sub>Cl<sub>2</sub>FN<sub>2</sub>O  
 Molecular Weight: 421.34  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
*Actual storage temperature shall be subject to the COA.*



### Biological Description

Description	Sarizotan 2HCl is an hERG channel inhibitor and 5-hydroxytryptamine 5-HT <sub>1A</sub> receptor agonist with potential antidepressant effects for the study of Parkinsonian movement disorders.
Targets(IC <sub>50</sub> )	5-HT Receptor,Dopamine Receptor,Potassium Channel
In vivo	Compared to rats treated with levodopa alone, Sarizotan 2HCl (10 ng and 1 µg in 0.3 µL solution) administered subthalamically at higher doses (10 ng and 1 µg) significantly reduced rotational response scores in male Sprague-Dawley rats weighing 220-240 g.

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3734 mL	11.8669 mL	23.7338 mL
5 mM	0.4747 mL	2.3734 mL	4.7468 mL
10 mM	0.2373 mL	1.1867 mL	2.3734 mL
50 mM	0.0475 mL	0.2373 mL	0.4747 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

G D Bartoszyk, et al. Sarizotan, a Serotonin 5-HT<sub>1A</sub> Receptor Agonist and Dopamine Receptor Ligand. J Neural Transm (Vienna). 2004 Feb;111(2):113-26.

C Marin, et al. Local Administration of Sarizotan Into the Subthalamic Nucleus Attenuates Levodopa-Induced Dyskinesias in 6-OHDA-lesioned Rats. Psychopharmacology (Berl). 2009 Jun;204(2):241-50.

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