

5-HT6 / 7 antagonist 1

Catalog No: tcsc7117



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 20mg



Specifications

CAS No:

131999-28-5

Formula:

$C_{22}H_{20}FN_3O_3$

Pathway:

GPCR/G Protein;Neuronal Signaling;Neuronal Signaling;GPCR/G Protein

Target:

Dopamine Receptor;Dopamine Receptor;5-HT Receptor;5-HT Receptor

Purity / Grade:

>98%

Solubility:

DMSO

Observed Molecular Weight:

393.41

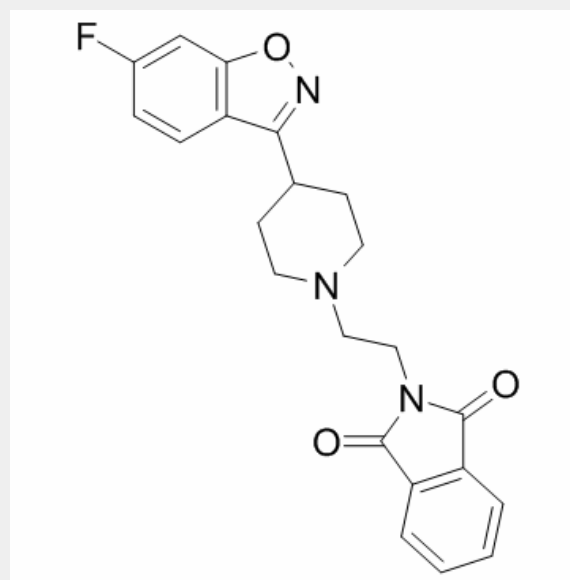
Product Description

5-HT6/7 antagonist 1 is a multifunctional ligand that antagonizes **5-HT6/7/2A** and **D2** receptors, without interacting with M1

receptors and hERG channels.

IC50 & Target: 5-HT6/7/2A, D2^[1]

In Vitro: Targeting 5-HT6 and/ or 5-HT7 receptors with antagonist drugs could constitute a promising strategy for treating symptoms of BPSD while avoiding some of the side effects of current antipsychotic drugs. Nevertheless, due to the complex pathology of dementia and accompanying behavioral and psychological symptoms, it seems unlikely that focusing on a single therapeutic target would be sufficient to provide adequate clinical benefit, and it is likely that successful development of novel anti-BPSD agents should involve a “designed” multifactorial approach^[1].



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