

# 5-HT<sub>4</sub> antagonist 1

Catalog No: tcsc0018166



## Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg



## Specifications

**CAS No:**

261766-73-8

**Formula:**

C<sub>23</sub>H<sub>36</sub>N<sub>4</sub>O<sub>5</sub>S

**Pathway:**

Neuronal Signaling;GPCR/G Protein

**Target:**

5-HT Receptor;5-HT Receptor

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

480.62

## Product Description

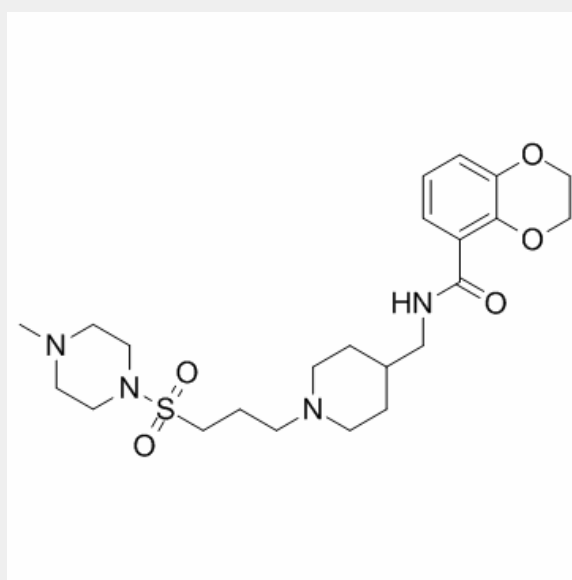
5-HT<sub>4</sub> antagonist 1 is a **5-HT<sub>4</sub> receptor** antagonist with a **pK<sub>i</sub>** of 9.6.

IC<sub>50</sub> & Target: pK<sub>i</sub>: 9.6 (5-HT<sub>4</sub> receptor)<sup>[1]</sup>

***In Vitro:***

5-HT<sub>4</sub> antagonist 1 (compound 6b) is a 5-HT<sub>4</sub> receptor antagonist with a pK<sub>i</sub> of 9.6.

***In Vivo:*** 5-HT<sub>4</sub> antagonist 1 (compound 6b) demonstrates good exposure and prolongs t<sub>1/2</sub> in other species, including the mouse (t<sub>1/2</sub> 7 h), rat (t<sub>1/2</sub> 12 h) and mini-pig (t<sub>1/2</sub> 21 h). In Phase I clinical trial, it is found that 5-HT<sub>4</sub> antagonist 1 has good oral bioavailability with a steady state plasma t<sub>1/2</sub> of >100 h<sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!