

5-HT₄ antagonist 1

Catalog No: tcsc0018166



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

261766-73-8

Formula:

$C_{23}H_{36}N_4O_5S$

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

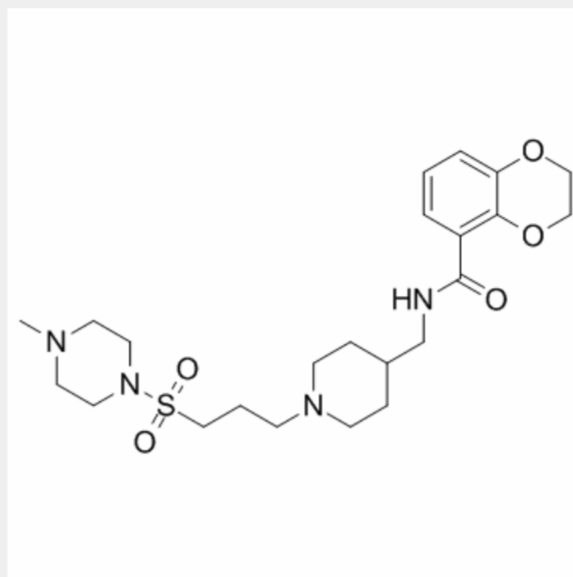
5-HT₄ antagonist 1 is a **5-HT₄ receptor** antagonist with a **pK_i** of 9.6.

IC₅₀ & Target: pK_i: 9.6 (5-HT₄ receptor)^[1]

In Vitro:

5-HT₄ antagonist 1 (compound 6b) is a 5-HT₄ receptor antagonist with a pK_i of 9.6.

In Vivo: 5-HT₄ antagonist 1 (compound 6b) demonstrates good exposure and prolongs t_{1/2} in other species, including the mouse (t_{1/2} 7 h), rat (t_{1/2} 12 h) and mini-pig (t_{1/2} 21 h). In Phase I clinical trial, it is found that 5-HT₄ antagonist 1 has good oral bioavailability with a steady state plasma t_{1/2} of >100 h^[1].



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