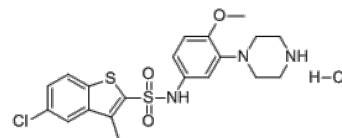


Product Name : SB-271046
Cat. No. : PC-21121
CAS No. : 209481-20-9
Molecular Formula : C₂₀H₂₃Cl₂N₃O₃S₂
Molecular Weight : 488.44
Target : 5-HT Receptor
Solubility : 10 mM in DMSO



Biological Activity

SB-271046 is a potent, selective and orally active **5-HT₆** receptor antagonist, potently displaces [(3)H]-LSD and [(125)I]-SB-258585 from human 5-HT₆ receptors recombinantly expressed in HeLa cells with pK_i 8.92 and 9.09 respectively.

SB-271046 also displaces [(125)I]-SB-258585 from human caudate putamen and rat and pig striatum membranes (pK_i 8.81, 9.02 and 8.55 respectively).

SB-271046 is >200 fold selective for the 5-HT₆ receptor vs. 55 other receptors, binding sites and ion channels.

SB-271046 competitively antagonizes 5-HT-induced stimulation of adenylyl cyclase activity with a pA₂ of 8.71 in functional studies on human 5-HT₆ receptors.

SB-271046 (10 mg/kg) demonstrates anticonvulsant activity in the rat MEST test.

References

C Routledge, et al. *Br J Pharmacol.* 2000 Aug;130(7):1606-12.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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