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DATASHEET

SB 271046 hydrochloride

Product overview

Name	SB 271046 hydrochloride
Cat No	HB1764
Biological action	Agonist
Purity	>99%
Description	Potent, selective 5-HT ₆ antagonist

Biological Data

Biological description	Potent and selective 5-HT ₆ antagonist (pK _i = 9.02-8.92 at 5-HT ₆). Shows > 200-fold selective over 55 other receptors, enzymes and ion channels. Increases levels of the neurotransmitters glutamate, aspartate, dopamine and noradrenaline in the rat front cortex and hippocampus. Shows anticonvulsant actions. Active <i>in vivo</i>
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Solubility & Handling

Storage instructions	room temperature (desiccate)
Solubility overview	Soluble in DMSO (100mM) or ethanol (50mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	5-Chloro-N-[4-methoxy-3-(1-piperazi nyl)phenyl]-3-methyl-benzo[b]thiophen-2-sulfonamid e hydrochloride
Molecular Weight	488.45
Molecular Formula	C ₂₀ H ₂₂ ClN ₃ O ₃ S ₂ .HCl
CAS Number	209481-20-9
PubChem identifier	6918455
SMILES	CC2=C(S(NC3=CC=C(OC)C(N4CCNCC4)=C3)(=O)=O)SC1=CC=C(Cl)C=C12.Cl
InChiKey	RMXZRJYGJMSDQK-UHFFFAOYSA-N