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DATASHEET

SB 271046 hydrochloride

Product overview

Name SB 271046 hydrochloride

Cat No HB1764 **Biological action** Agonist >99% **Purity**

Description Potent, selective 5-HT₆ antagonist

Biological Data

Biological description Potent and selective 5-HT₆ antagonist (pK_i = 9.02-8.92 at 5-HT₆). Shows > 200-fold selective over 55

other receptors, enzymes and ion channels. Increases levels of the neurotransmitters glutamate, aspartate, dopamine and noraderenaline in the rat front cortex and hippocampus. Shows

anticonvulsant actions. Active in vivo

Solubility & Handling

Solubility overview Soluble in DMSO (100mM) or ethanol (50mM)

Storage instructions room temperature (desiccate)

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

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 C20H22CIN3O3S2.HCI **CAS Number** 209481-20-9 PubChem identifier 6918455

CC2=C(S(NC3=CC=C(OC)C(N4CCNCC4)=C3)(=O)=O)SC1=CC=C(CI)C=C12.CI **SMILES**

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