

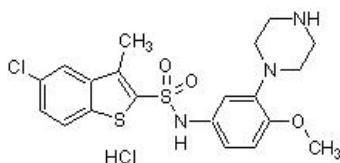
## Product datasheet

### SB 271046 hydrochloride, 5-HT<sub>6</sub> antagonist ab120589

1 Image

#### Overview

<b>Product name</b>	SB 271046 hydrochloride, 5-HT <sub>6</sub> antagonist
<b>Description</b>	Potent, selective 5-HT <sub>6</sub> antagonist
<b>Biological description</b>	Potent and selective 5-HT <sub>6</sub> receptor antagonist ( $K_i$ = 1-2 nM). Displays >200-fold selectivity for 5-HT <sub>6</sub> receptors (vs. other receptor binding sites and ion channels). Poor penetration of the blood-brain barrier. Nootropic effects <i>in vivo</i> .
<b>Purity</b>	> 99%
<b>CAS Number</b>	209481-24-3
<b>Chemical structure</b>	

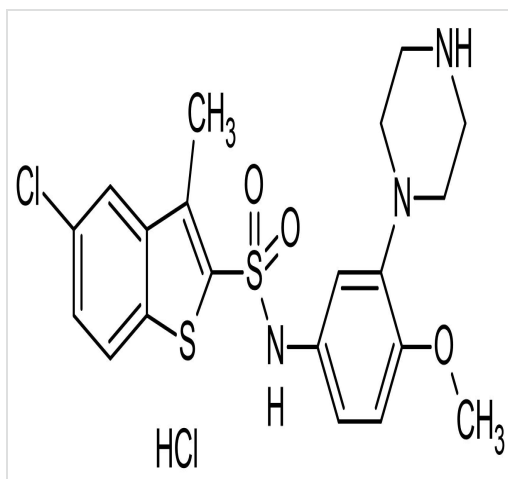


#### Properties

<b>Chemical name</b>	5-Chloro- <i>N</i> -[4-methoxy-3-(1-piperazinyl)phenyl]-3-methylbenzo[ <i>b</i> ]thiophen-2-sulfonamide hydrochloride
<b>Molecular weight</b>	488.45
<b>Molecular formula</b>	C <sub>20</sub> H <sub>22</sub> ClN <sub>3</sub> O <sub>3</sub> S <sub>2</sub> .HCl
<b>Storage instructions</b>	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 100 mM and in ethanol to 5 mM (with heating)
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>Source</b>	Synthetic

## Images

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2D chemical structure image of ab120589, SB 271046 hydrochloride, 5-HT<sub>6</sub> antagonist

Chemical Structure - SB 271046 hydrochloride, 5-HT<sub>6</sub> antagonist (ab120589)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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