

## Product datasheet

# Thioridazine hydrochloride, Dopamine receptor antagonist ab120580

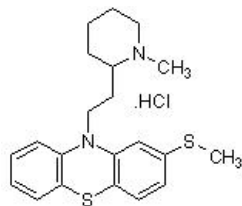
[1 Image](#)

### Overview

<b>Product name</b>	Thioridazine hydrochloride, Dopamine receptor antagonist
<b>Description</b>	Dopamine receptor antagonist
<b>Biological description</b>	Dopamine receptor antagonist ( $K_i$ values are 16 ( $D_2$ ), 10 ( $D_1$ ), 7.8 ( $D_3$ ), and 31 ( $D_4$ ) nM). Also inhibits CYP2D6 ( $IC_{50}$ = 2.7 $\mu$ M). Antipsychotic. Displays antituberculosis/ drug-resistant tuberculosis properties.

**CAS Number** 130-61-0

### Chemical structure



### Properties

<b>Chemical name</b>	10-[2-(1-Methyl-2-piperidinyl)ethyl]-2-(methylthio)-10 <i>H</i> -phenothiazine hydrochloride
<b>Molecular weight</b>	407.03
<b>Molecular formula</b>	$C_{21}H_{26}N_2S_2 \cdot HCl$
<b>PubChem identifier</b>	66062
<b>Storage instructions</b>	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 100 mM, in ethanol to 100 mM and in DMSO to 100 mM
<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 <math>-20^{\circ}C</math>. 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>Toxic, refer to SDS for further information</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked</a></p>

[questions \(FAQ\) page](#) for more details.

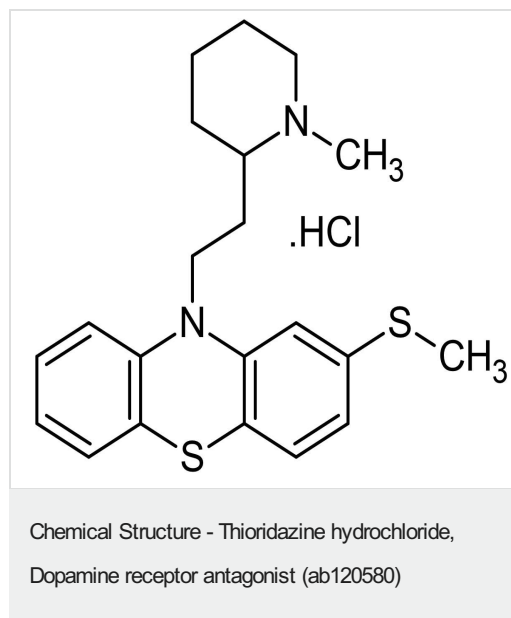
**SMILES**

Cl.CN4CCCC4CCN1c3ccccc3Sc2ccc(SC)cc12

**Source**

Synthetic

## Images



2D chemical structure image of ab120580, Thioridazine hydrochloride, Dopamine receptor antagonist

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

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