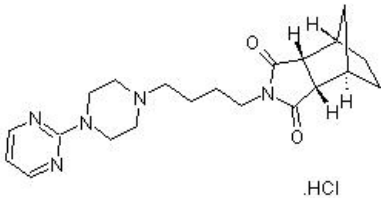


Product datasheet

Tandospirone hydrochloride (Metanopirone), 5-HT_{1A} partial agonist ab146136

1 Image

Overview

Product name	Tandospirone hydrochloride (Metanopirone), 5-HT _{1A} partial agonist
Description	Potent, selective 5-HT _{1A} partial agonist
Biological description	Potent, selective 5-HT _{1A} partial agonist (K _i = 27 nM). Decreases the firing rate of 5-HT neurons of the dorsal raphe. Shows anxiolytic and antidepressant effects <i>in vivo</i> . Orally active.
Purity	> 99%
CAS Number	99095-10-0
Chemical structure	

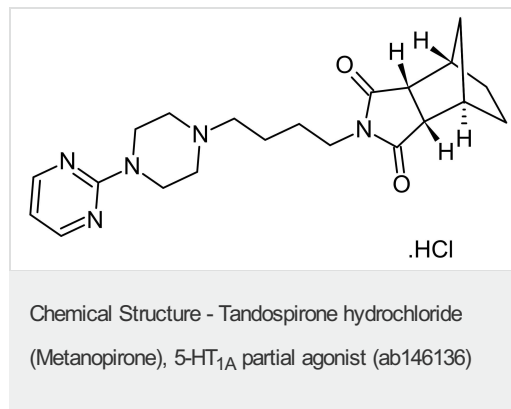
Properties

Chemical name	(3 <i>aR</i> ,4 <i>S</i> ,7 <i>R</i> ,7 <i>aS</i>)- <i>rel</i> -Hexahydro-2-[4-[4-(2-pyrimidinyl)-1-piperazinyl]butyl]-4,7-methano-1 <i>H</i> -isoindole-1,3(2 <i>H</i>)-dione hydrochloride
Molecular weight	419.95
Molecular formula	C ₂₁ H ₂₉ N ₅ O ₂ .HCl
PubChem identifier	13422623
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 100 mM and in DMSO to 100 mM
Handling	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. Need more advice on solubility, usage and handling? Please visit our frequently asked questions

(FAQ) page for more details.

SMILES	<chem>C1C[C@H]2C[C@@H]1[C@H]3[C@@H]2C(=O)N(C3=O)CCCCN4CCN(CC4)C5=NC=CC=N5.Cl</chem>
Source	Synthetic

Images



2D chemical structure image of ab146136, Tandospirone hydrochloride (Metanopirone), 5-HT_{1A} partial agonist

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

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