

Product Name : Agomelatine hydrochloride

Synonyms : S-20098 hydrochloride

Cat No. : M10598

CAS Number : 1176316-99-6

Molecular Formula : C₁₅H₁₈ClNO₂

Formula Weight : 279.76

Chemical Name : Acetamide, N-[2-(7-methoxy-1-naphthalenyl)ethyl]- (hydrochloride)(1:1)

Description

A melatonin receptor agonist of MT₁ (K_i=0.1nM) and MT₂ (K_i=0.12nM), and a 5-HT_{2C} (K_i=631nM) receptor antagonist; has no effect on monoamine uptake and no affinity for adrenergic, histaminergic, cholinergic, dopaminergic and benzodiazepine receptors, nor other serotonergic receptors; a melatonergic antidepressant treatment of major depressive disorder with relatively favorable side effect profile. Depression Approved

Pathway : GPCR/G Protein

Target : Melatonin Receptor

Receptor : Melatonin Receptor

Solubility : 10 mM in DMSO

SMILES : CC(=O)NCCC1=CC=CC2=C1C=C(C=C2)OC.Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Depreux P, et al. J Med Chem. 1994 Sep 30;37(20):3231-9. | 2. Wiley JL, et al. Psychopharmacology (Berl). 1998 Dec;140(4):503-9. | 3. Ying SW, et al. Eur J Pharmacol. 1996 Jan 18;296(1):33-42.

