Lurasidone Metabolite 14283 hydrochloride

Cat. No.: HY-G0001A

CAS No.: 186204-32-0

Molecular Formula: $C_{28}H_{37}ClN_4O_3S$

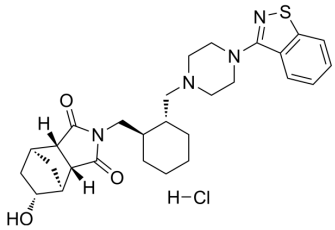
Molecular Weight: 545.14

Target: Drug Metabolite

Pathway: Metabolic Enzyme/Protease

Storage: -20°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

Ethanol : 100 mg/mL (183.44 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.8344 mL	9.1720 mL	18.3439 mL
	5 mM	0.3669 mL	1.8344 mL	3.6688 mL
	10 mM	0.1834 mL	0.9172 mL	1.8344 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% EtOH >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (4.59 mM); Clear solution
2. Add each solvent one by one: 10% EtOH >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (4.59 mM); Clear solution
3. Add each solvent one by one: 10% EtOH >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (4.59 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Lurasidone Metabolite 14283 hydrochloride is a major active metabolite of Lurasidone. Lurasidone is a FDA approved agent for the treatment of schizophrenia.

REFERENCES

[1]. Sanford M, et al. Lurasidone : in the treatment of schizophrenia. CNS Drugs. 2013 Jan;27(1):67-80.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA