Data Sheet (Cat.No.T7147)



Valbenazine

Chemical Properties

CAS No.: 1025504-45-3

Formula: C24H38N2O4

Molecular Weight: 418.57

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	albenazine (NBI-98854), a highly selective vesicular monoamine transporter 2(VMAT2) hhibitor, is approved for the treatment of tardive dyskinesia.		
Targets(IC50)	Monoamine Transporter		
In vivo	Valbenazine appeared to be well tolerated in adults with TD who received up to 48 weeks of treatment. In addition to long-term efficacy results, Suggest that valbenazine may be appropriate for the long-term management of TD regardless of underlying psychiatric diagnosis (SCHZ disorder or mood disorder)[1].		
Animal Research	The pooled long-term exposure (LTE) population included valbenazine-treated subjects from 3 studies: KINECT; KINECT 3; KINECT4. Safety assessments included adverse events (AEs), laboratory tests, vital signs, electrocardiograms (ECGs), and extrapyramidal symptom (EPS) scales. Psychiatric stability was monitored using the Positive and Negative Syndrome Scale (PANSS) and Calgary Depression Scale for Schizophrenia (CDSS) (SCHZ subgroup), as well as the Montgomery-?sberg Depression Rating Scale (MADRS) and Young Mania Rating Scale (YMRS) (mood subgroup). All data were analyzed descriptively[1].		

Solubility Information

Solubility	DMSO: 50 mg/mL (119.45 mM),
	(< 1 mg/ml refers to the product slightly soluble or insoluble)

Page 1 of 2 www.targetmol.com

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3891 mL	11.9454 mL	23.8909 mL
5 mM	0.4778 mL	2.3891 mL	4.7782 mL
10 mM	0.2389 mL	1.1945 mL	2.3891 mL
50 mM	0.0478 mL	0.2389 mL	0.4778 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Josiassen R C, Kane J M, Liang G S, et al. Long-Term Safety and Tolerability of Valbenazine (NBI-98854) in Subjects with Tardive Dyskinesia and a Diagnosis of Schizophrenia or Mood Disorder[J]. Psychopharmacology

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481

Page 2 of 2 www.targetmol.com