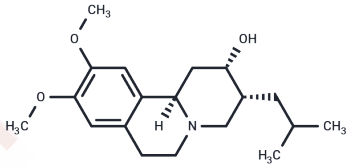
Data Sheet (Cat.No.T13133)

TargetMol

Tetrabenazine Metabolite

Chemical Properties



CAS No. : 924854-60-4

Formula: C19H29NO3

Molecular Weight: 319.44

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Tetrabenazine Metabolite ((-)-β-HTBZ), a vesicles monoamine transporter 2 (VMAT2) inhibitor, is an active metabolite of Tetrabenazine. Tetrabenazine Metabolite has a high affinity for VMAT2 with a Ki of 13.4 nM. Tetrabenazine Metabolite is often used to study chorea associated with Huntington's disease and other hyperactivity disorders.
Targets(IC50)	Drug Metabolite,Monoamine Transporter

Solubility Information

Solubility	DMSO: 32.5 mg/mL (101.74 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1305 mL	15.6524 mL	31.3048 mL
5 mM	0.6261 mL	3.1305 mL	6.261 mL
10 mM	0.313 mL	1.5652 mL	3.1305 mL
50 mM	0.0626 mL	0.313 mL	0.6261 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zhangyu Yao , et al. Preparation and evaluation of tetrabenazine enantiomers and all eight stereoisomers of dihydrotetrabenazine as VMAT2 inhibitors. Eur J Med Chem. 2011 May;46(5):1841-8.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481