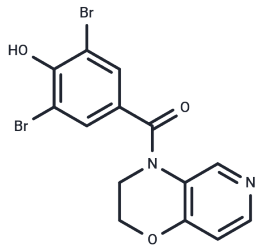
Data Sheet (Cat.No.T27275L)

TargetMol

Epaminurad HCl

Chemical Properties



CAS No. : 1198153-46-6

Formula: C14H11Br2ClN2O3

Molecular Weight: 450.51

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	Epaminurad HCl is a URAT1 inhibitor with partial inhibition of OAT1 and OAT3 (organic anion transporters).Epaminurad HCl is a pro-uric acid excretory agent used for the prevention and treatment of gout and hyperuricemia.
Targets(IC50)	OAT
In vivo	In tufted capuchin monkeys, Epaminurad HCl (0, 3, 10, and 30 mg/kg; orally, once a day, for 3 consecutive days) showed good uricosuric and urate-lowering effects at the lowest dose of 3 mg/kg[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2197 mL	11.0985 mL	22.1971 mL
5 mM	0.4439 mL	2.2197 mL	4.4394 mL
10 mM	0.222 mL	1.1099 mL	2.2197 mL
50 mM	0.0444 mL	0.222 mL	0.4439 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

Ahn SO, et al. Stronger Uricosuric Effects of the Novel Selective URAT1 Inhibitor UR-1102 Lowered Plasma Urate in Tufted Capuchin Monkeys to a Greater Extent than Benzbromarone. J Pharmacol Exp Ther. 2016 Apr;357(1):157-66.

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