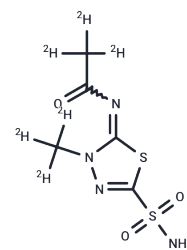


Methazolamide-d6

Chemical Properties

CAS No. :	1795142-30-1
Formula:	C ₅ H ₂ D ₆ N ₄ O ₃ S ₂
Molecular Weight:	242.31
Appearance:	no data available
Storage:	Powder -20°C for 3 years In solvent -80°C for 2 years



Biological Description

Description	Methazolamide-d6 is intended for use as an internal standard for the quantification of methazolamide by GC- or LC-MS. Methazolamide is a carbonic anhydrase inhibitor. It reduces intraocular pressure and cerebrospinal fluid flow in a rat model of glaucoma. Methazolamide reduces electroshock-induced seizures in rats with an ED ₅₀ value of 19.2 mg/kg. It also inhibits production of reactive oxygen species (ROS) in a primary cortical neuron (PCN) cellular model of subarachnoid hemorrhage (SAH) and reduces cerebral edema in a mouse model of SAH. ³ Methazolamide is larvicidal, with a 50% larvicidal concentration (LC ₅₀) value of 724 ppm, but has no activity when administered in the diet to adult <i>A. aegypti</i> . Formulations containing methazolamide have been used in the treatment of glaucoma.
-------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1269 mL	20.6347 mL	41.2694 mL
5 mM	0.8254 mL	4.1269 mL	8.2539 mL
10 mM	0.4127 mL	2.0635 mL	4.1269 mL
50 mM	0.0825 mL	0.4127 mL	0.8254 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.

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