

Sodium cyclamate-D4

Chemical Properties

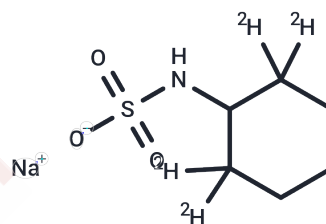
CAS No. :

Formula: C₆H₈D₄NNaO₃S

Molecular Weight: 205.24

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	Sodium cyclamate-D4 is a deuterated compound of Sodium cyclamate. Sodium cyclamate (T38808) has a CAS number of 139-05-9. Cyclamic acid sodium is a carbonic anhydrase inhibitor and one of the most widely used artificial sweeteners in food and pharmaceuticals. Cyclamic acid sodium shows moderate anticonvulsant activity in a maximal electroshock convulsive seizure model. Cyclamic acid sodium is used in cancer research.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8723 mL	24.3617 mL	48.7234 mL
5 mM	0.9745 mL	4.8723 mL	9.7447 mL
10 mM	0.4872 mL	2.4362 mL	4.8723 mL
50 mM	0.0974 mL	0.4872 mL	0.9745 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

- Leban I, et al. Structures of artificial sweeteners--cyclamic acid and sodium cyclamate with other cyclamates. Acta Crystallogr B. 2007 Jun;63(Pt 3):418-25.

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