

Gliclazide-D7

Chemical Properties

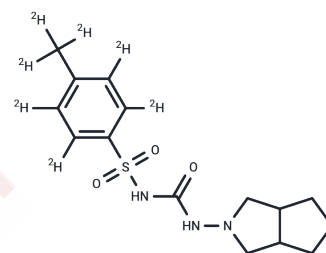
CAS No. :

Formula: C₁₅H₁₄D₇N₃O₃S

Molecular Weight: 330.45

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

Gliclazide-D7 is a deuterated compound of Gliclazide. Gliclazide (T1527) has a CAS number of 21187-98-4. Gliclazide, an oral antihyperglycemic agent, belongs to the sulfonylurea class of insulin secretagogues, which act by stimulating beta-cells of the pancreas to release insulin.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0262 mL	15.1309 mL	30.2618 mL
5 mM	0.6052 mL	3.0262 mL	6.0524 mL
10 mM	0.3026 mL	1.5131 mL	3.0262 mL
50 mM	0.0605 mL	0.3026 mL	0.6052 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

- Mamputu JC, Renier G. J Diabetes Complications. 2002 Jul-Aug;16(4):284-93.

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