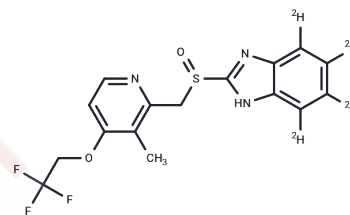


Lansoprazole-D4

Chemical Properties

CAS No. :	934294-22-1
Formula:	C ₁₆ H ₁₄ F ₃ N ₃ O ₂ S
Molecular Weight:	373.39
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	Lansoprazole-D4 is a deuterium labeled Lansoprazole. Lansoprazole (T0674) is an inhibitor of proton pump which prevents the stomach from producing acid.
Targets(IC50)	Proton pump, Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6782 mL	13.3908 mL	26.7816 mL
5 mM	0.5356 mL	2.6782 mL	5.3563 mL
10 mM	0.2678 mL	1.3391 mL	2.6782 mL
50 mM	0.0536 mL	0.2678 mL	0.5356 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

Iwahi, T., et al., Lansoprazole, a novel benzimidazole proton pump inhibitor, and its related compounds have selective activity against Helicobacter pylori. Antimicrob Agents Chemother, 1991. 35(3): p. 490-6.

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