

Pantoprazole-D8

Chemical Properties

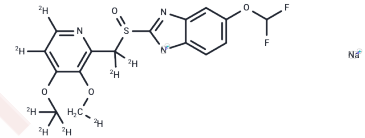
CAS No. :

Formula: C₁₆H₆D₈F₂N₃NaO₄S

Molecular Weight: 413.40

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	Pantoprazole-D8 is a deuterium-labeled version of Pantoprazole. Pantoprazole (T6928) (BY1023) is an orally active, potent proton pump inhibitor (PPI). As a substituted benzimidazole, Pantoprazole (T6928) effectively inhibits H ⁺ /K ⁺ -ATPase with an IC ₅₀ of 6.8 μM. It enhances pH stability and possesses antisecretory and anti-ulcer properties. When combined with Doxorubicin, Pantoprazole (T6928) significantly extends tumor growth delay.
Targets(IC50)	Apoptosis,Proton pump,Antibacterial,Autophagy

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.419 mL	12.0948 mL	24.1896 mL
5 mM	0.4838 mL	2.419 mL	4.8379 mL
10 mM	0.2419 mL	1.2095 mL	2.419 mL
50 mM	0.0484 mL	0.2419 mL	0.4838 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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