

Vonoprazan-D3

Chemical Properties

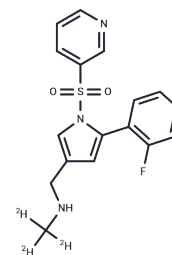
CAS No. :

Formula: C₁₇H₁₃D₃FN₃O₂S

Molecular Weight: 348.41

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

Vonoprazan-D3 is a deuterated compound of Vonoprazan. Vonoprazan (T8388) has a CAS number of 881681-00-1. Vonoprazan (T8388) is an orally active potassium-competitive acid blocker. Vonoprazan can be used for the treatment of gastroduodenal ulcer and reflux esophagitis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8702 mL	14.3509 mL	28.7018 mL
5 mM	0.574 mL	2.8702 mL	5.7404 mL
10 mM	0.287 mL	1.4351 mL	2.8702 mL
50 mM	0.0574 mL	0.287 mL	0.574 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

- Hori Y, et al. A study comparing the antisecretory effect of TAK-438, a novel potassium-competitive acid blocker, with lansoprazole in animals. J Pharmacol Exp Ther, 2011, 337(3), 797-804.

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