

Vonoprazan-D4

Chemical Properties

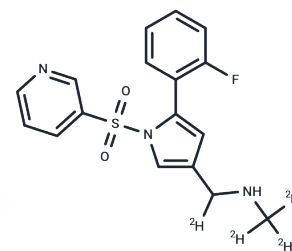
CAS No. :

Formula: C₁₇H₁₂D₄FN₃O₂S

Molecular Weight: 349.42

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-D4 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	2.8619 mL	14.3094 mL	28.6189 mL
5 mM	0.5724 mL	2.8619 mL	5.7238 mL
10 mM	0.2862 mL	1.4309 mL	2.8619 mL
50 mM	0.0572 mL	0.2862 mL	0.5724 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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