

AGN-201904Z

Chemical Properties

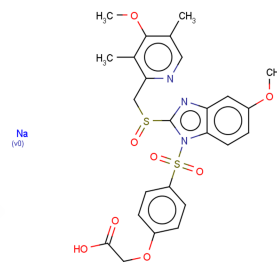
CAS No. : 651728-41-5

Formula: C₂₅H₂₅N₃NaO₈S₂

Molecular Weight: 582.6

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	AGN-201904Z is a slowly absorbed, acid-stable pro-proton pump inhibitor (pro-PPI) rapidly converted to omeprazole in the systemic circulation giving a prolonged residence time. AGN 201904-Z produced a significantly greater, and nocturnal acid suppression was more prolonged over all 5 days.
Targets(IC50)	Others, Proton pump

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7164 mL	8.5822 mL	17.1644 mL
5 mM	0.3433 mL	1.7164 mL	3.4329 mL
10 mM	0.1716 mL	0.8582 mL	1.7164 mL
50 mM	0.0343 mL	0.1716 mL	0.3433 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

Sachs G, Shin JM, Hunt R. Novel approaches to inhibition of gastric acid secretion. *Curr Gastroenterol Rep.* 2010 Dec;12(6):437-47. doi: 10.1007/s11894-010-0149-5. Erratum in: *Curr Gastroenterol Rep.* 2011 Feb;13(1):110. PubMed PMID: 20924727; PubMed Central PMCID: PMC2974194.

Hunt RH, Armstrong D, Yaghoobi M, James C, Chen Y, Leonard J, Shin JM, Lee E, Tang-Liu D, Sachs G. Predictable prolonged suppression of gastric acidity with a novel proton pump inhibitor, AGN 201904-Z. *Aliment Pharmacol Ther.* 2008 Jul;28(2):187-99. doi: 10.1111/j.1365-2036.2008.03725.x. Epub 2008 Apr 25. PubMed PMID: 18445141; PubMed Central PMCID: PMC4505925.

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