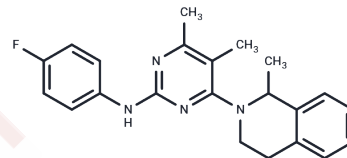


Revaprazan

Chemical Properties

CAS No. :	199463-33-7
Formula:	C ₂₂ H ₂₃ FN ₄
Molecular Weight:	362.44
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	Revaprazan is a novel, selective potassium-competitive acid blocker, to be specific, it reversibly inhibits gastric H(+)/K(+)-ATPase and shows effective acid suppression comparable to PPIs.
Targets(IC50)	Others, Proton pump

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7591 mL	13.7954 mL	27.5908 mL
5 mM	0.5518 mL	2.7591 mL	5.5182 mL
10 mM	0.2759 mL	1.3795 mL	2.7591 mL
50 mM	0.0552 mL	0.2759 mL	0.5518 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

- Kim JH, Kim EH, Ock C, Hong H, Kim YJ, Kwon KA, Park DK, Hahm KB. Mitigating endoplasmic reticulum stress with revaprazan ameliorates stress-related mucosal disease. *J Gastroenterol Hepatol*. 2012 Jan;27(1):120-9. doi: 10.1111/j.1440-1746.2011.06838.x. PubMed PMID: 21722181.
- Jo Y, Park E, Ahn SB, Jo YK, Son B, Kim SH, Park YS, Kim HJ. A Proton Pump Inhibitor's Effect on Bone Metabolism Mediated by Osteoclast Action in Old Age: A Prospective Randomized Study. *Gut Liver*. 2015 Sep 23;9(5):607-14. doi: 10.5009/gnl14135. PubMed PMID: 25473078; PubMed Central PMCID: PMC4562777.
- Choi HY, Noh YH, Jin SJ, Kim YH, Kim MJ, Sung H, Jang SB, Lee SJ, Bae KS, Lim HS. Bioavailability and tolerability of combination treatment with revaprazan 200 mg + itopride 150 mg: a randomized crossover study in healthy male Korean volunteers. *Clin Ther*. 2012 Sep;34(9):1999-2010. doi: 10.1016/j.clinthera.2012.07.004. Epub 2012 Aug 1. PubMed PMID: 22858177.
- Jung JW, Kang HR, Kwon JW, Kim TE, Lee SH, Hong KS, Yu KS, Cho SH. The potential inhibitory effect of revaprazan, an acid pump antagonist, on anticoagulation with warfarin. *Tohoku J Exp Med*. 2011 Aug;224(4):293-300. PubMed PMID: 21799301.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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