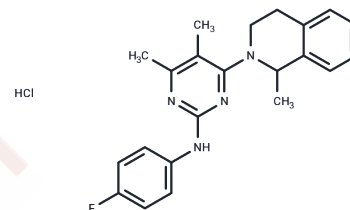


Revaprazan hydrochloride

Chemical Properties

CAS No. :	178307-42-1
Formula:	C ₂₂ H ₂₄ ClFN ₄
Molecular Weight:	398.9
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 hydrochloride (YH1885) is the hydrochloride salt form of a lipophilic, weak base with potassium-competitive acid blocking (P-CAB) activity.
Targets(IC50)	ATPase, Antibacterial, COX

Solubility Information

Solubility	DMSO: 3.99 mg/mL (10 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.51 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5069 mL	12.5345 mL	25.0689 mL
5 mM	0.5014 mL	2.5069 mL	5.0138 mL
10 mM	0.2507 mL	1.2534 mL	2.5069 mL
50 mM	0.0501 mL	0.2507 mL	0.5014 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

Lee JS, et al. J Clin Biochem Nutr. 2012 Sep;51(2):77-83.

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