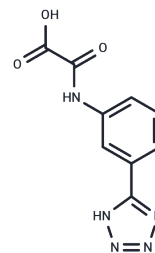


Acitazanolast

Chemical Properties

CAS No. :	114607-46-4
Formula:	C ₉ H ₇ N ₅ O ₃
Molecular Weight:	233.18
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	Acitazanolast (WP-871) is an anti-allergic drug candidate.
Targets(IC50)	Others,Histamine Receptor

Solubility Information

Solubility	DMSO: 15 mg/mL (64.33 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: 2 mg/mL (8.58 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	4.2885 mL	21.4427 mL	42.8853 mL
5 mM	0.8577 mL	4.2885 mL	8.5771 mL
10 mM	0.4289 mL	2.1443 mL	4.2885 mL
50 mM	0.0858 mL	0.4289 mL	0.8577 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

Kamei C, Mio M, Yoshida T, Saito Y, Toyoda Y, Tsuruya Y. Effect of an active metabolite of the antiallergic agent tazanolast on histamine release from rat mast cells. *Arzneimittelforschung*. 1997 Apr;47(4):390-4.

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