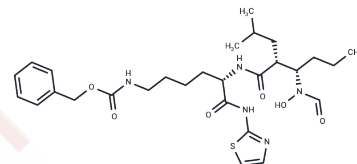


GW280264X

Chemical Properties

CAS No. : 866924-39-2
 Formula: C₂₈H₄₁N₅O₆S
 Molecular Weight: 575.72
 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	GW280264X (Carbamic acid) is an inhibitor of ADAM17 .
Targets(IC50)	MMP

Solubility Information

Solubility	DMSO: 11 mg/mL (19.11 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1 mg/mL (1.74 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	1.737 mL	8.6848 mL	17.3696 mL
5 mM	0.3474 mL	1.737 mL	3.4739 mL
10 mM	0.1737 mL	0.8685 mL	1.737 mL
50 mM	0.0347 mL	0.1737 mL	0.3474 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

Malemud C J . Inhibition of MMPs and ADAM/ADAMTS[J]. Biochemical Pharmacology, 2019.

Yu Z, Tang X, Chen Z, et al. Role of ADAM10/17-mediated Cleavage of LAG3 in the Impairment of Immunosuppression in Psoriasis. Journal of Investigative Dermatology. 2024

J Yang, Leblanc M E , Cano I , et al. ADAM10 and ADAM17 proteases mediate proinflammatory cytokine-induced and constitutive cleavage of endomucin from the endothelial surface[J]. Journal of Biological Chemistry, 2020.

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