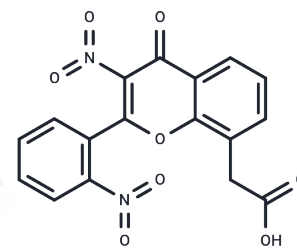


Aminopeptidase N Inhibitor

Chemical Properties

CAS No. :	596108-59-7
Formula:	C ₁₇ H ₁₀ N ₂ O ₈
Molecular Weight:	370.27
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	Aminopeptidase N (AP-N) inhibitor is a reversible inhibitor of AP-N/CD13 (IC ₅₀ = 25 μM). It is selective for AP-N/CD13 over matrix metalloproteinase-9 (MMP-9), angiotensin converting enzyme (ACE), neutral endopeptidase (NEP), γ-glutamyl transpeptidase, and the serine proteases dipeptidyl peptidase 4 (DPP-4) and cathepsin G at a concentration of 1 mM. AP-N inhibitor is non-cytotoxic to U937 cells at a concentration of 100 μM.
Targets(IC ₅₀)	Others,Aminopeptidase

Solubility Information

Solubility	DMSO:PBS(pH 7.2) (1:4): 0.2 mg/mL (0.54 mM),Sonication is recommended. DMSO: 33 mg/mL (89.12 mM),Sonication is recommended. DMF: 33 mg/mL (89.12 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7007 mL	13.5037 mL	27.0073 mL
5 mM	0.5401 mL	2.7007 mL	5.4015 mL
10 mM	0.2701 mL	1.3504 mL	2.7007 mL
50 mM	0.054 mL	0.2701 mL	0.5401 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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