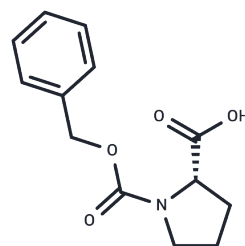


Carbobenzoxyproline

Chemical Properties

CAS No. :	1148-11-4
Formula:	C ₁₃ H ₁₅ NO ₄
Molecular Weight:	249.26
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Carbobenzoxyproline (Carbobenzoxy-S-proline) is a prolidase inhibitor.
Targets(IC50)	MMP,Others

Solubility Information

Solubility	DMSO: 2.5 mg/mL (10.03 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 (4.01 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	4.0119 mL	20.0594 mL	40.1188 mL
5 mM	0.8024 mL	4.0119 mL	8.0238 mL
10 mM	0.4012 mL	2.0059 mL	4.0119 mL
50 mM	0.0802 mL	0.4012 mL	0.8024 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

Arkadiusz, Surazynski, and, et al. Prolidase-dependent regulation of TGF c and TGF β receptor expressions in human skin fibroblasts[J]. European Journal of Pharmacology, 2010, 649(1-3):115-119.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481