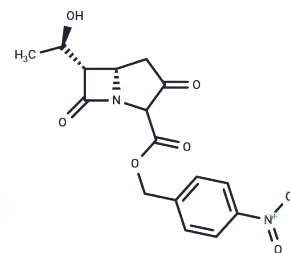


ADC-13

Chemical Properties

CAS No. : 74288-40-7
 Formula: C₁₆H₁₆N₂O₇
 Molecular Weight: 348.31
 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	ADC-13 ((5R,6S)-4-Nitrobenzyl 6-((R)-1-hydroxyethyl)-3,7-dioxo-1-azabicyclo[3.2.0]heptane-2-carboxylate) is a p-nitrobenzyl ester β -lactam derivative, functioning as an intermediate in carbapenem antibiotic synthesis.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 65 mg/mL (186.62 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	2.871 mL	14.355 mL	28.7101 mL
5 mM	0.5742 mL	2.871 mL	5.742 mL
10 mM	0.2871 mL	1.4355 mL	2.871 mL
50 mM	0.0574 mL	0.2871 mL	0.5742 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

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Kumar P, et al. Non-classical transpeptidases yield insight into new antibacterials. *Nat Chem Biol.* 2017 Jan;13(1):54-61.

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