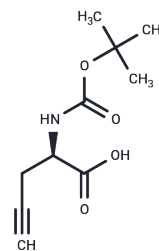


(R)-2-((tert-Butoxycarbonyl)amino)pent-4-ynoic acid

Chemical Properties

CAS No. :	63039-46-3
Formula:	C ₁₀ H ₁₅ NO ₄
Molecular Weight:	213.23
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	(R)-2-((tert-Butoxycarbonyl)amino)pent-4-ynoic acid (Boc-D-Propargylglycine) is a peptide with the sequence Boc-D-Pra-OH and glycine derivative, containing an alkyne group, which can be used in click chemistry and biochemical experiments.
Targets(IC50)	Others,Amino Acids and Derivatives

Solubility Information

Solubility	DMSO: 80 mg/mL (375.18 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	4.6898 mL	23.4489 mL	46.8977 mL
5 mM	0.938 mL	4.6898 mL	9.3795 mL
10 mM	0.469 mL	2.3449 mL	4.6898 mL
50 mM	0.0938 mL	0.469 mL	0.938 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

Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-1144.

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