

(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

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| 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

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| 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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