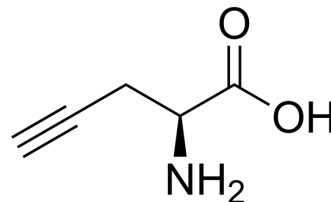


## (S)-2-Aminopent-4-ynoic acid

|                           |   |       |          |
|---------------------------|---|-------|----------|
| <b>Cat. No.:</b>          | HY-W006064                                    |       |          |
| <b>CAS No.:</b>           | 23235-01-0                                    |       |          |
| <b>Molecular Formula:</b> | C <sub>5</sub> H <sub>7</sub> NO <sub>2</sub> |       |          |
| <b>Molecular Weight:</b>  | 113.11  |       |          |
| <b>Target:</b>            | Others  |       |          |
| <b>Pathway:</b>           | Others  |       |          |
| <b>Storage:</b>           | Powder  | -20°C | 3 years  |
|                           |   | 4°C   | 2 years  |
|                           | In solvent                                    | -80°C | 6 months |
|                           |   | -20°C | 1 month  |



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 50 mg/mL (442.05 mM; Need ultrasonic)

| Concentration             | Solvent | Mass      |            |            |
|---------------------------|---------|-----------|------------|------------|
|                           |         | 1 mg      | 5 mg       | 10 mg      |
| Preparing Stock Solutions | 1 mM    | 8.8410 mL | 44.2048 mL | 88.4095 mL |
|                           | 5 mM    | 1.7682 mL | 8.8410 mL  | 17.6819 mL |
|                           | 10 mM   | 0.8841 mL | 4.4205 mL  | 8.8410 mL  |

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

(S)-2-Aminopent-4-ynoic acid is a synthetic amino acid. (S)-2-Aminopent-4-ynoic acid can be used in synthesis of folate-conjugates and corresponding metal-chelate complexes<sup>[1]</sup>. (S)-2-Aminopent-4-ynoic acid is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

### REFERENCES

[1]. Rudolf Moser, et al. Folate-conjugates and corresponding metal-chelate complexes for use in diagnostic imaging and radiotherapy. WO2008125618A1

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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