

Propargylglycine (R,S), H₂S synthase inhibitor

| Catalog | Unit |
|---------------|--------|
| TBI1366-100MG | 100 mg |
| TBI1366-500MG | 500 mg |

Product Details

Formal Name: 2-Amino-4-pentynoic acid

Molecular Formula: C₅H₇NO₂

Formula Weight: 113.12

CAS Number: 64165-64-6

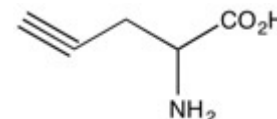
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 10 mg/ml) or in Water (up to 10 mg/ml).

Storage: RT

Stability: ≥ 2 years.



Applications

H₂S synthase inhibitor

Functions

Irreversible inhibitor of the hydrogen sulfide biosynthesis enzyme, cystathione-γ-lyase. It inhibits H₂S production in rat liver preparations (IC₅₀=55 μM) and inhibits the rise in plasma H₂S in rats with hemorrhagic shock. It reduces inflammation in a rodent carrageenan-induced hindpaw edema model. Ameliorates gentamycin-induced nephrotoxicity.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml) or in Water (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 3 months.

For research use only.