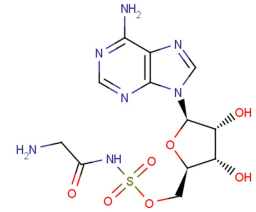


Data Sheet (Cat.No.T11434)

GlyRS-IN-1

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | 112921-11-6 |
| Formula: | C ₁₂ H ₁₇ N ₇ O ₇ S |
| Molecular Weight: | 403.37 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



Biological Description

| | |
|----------------------------|---|
| Description | GlyRS-IN-1 is an inhibitor of glycyL-tRNA synthase (GlyRS) extracted from patent WO 2017066459 A1. It can inhibit the growth of bacteria. |
| Targets(IC ₅₀) | GlyRS: None |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 100 mg/mL (247.91 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|-----------|-----------|
| 1 mM | 2.479 mL | 12.396 mL | 24.791 mL |
| 5 mM | 0.496 mL | 2.479 mL | 4.958 mL |
| 10 mM | 0.248 mL | 1.24 mL | 2.479 mL |
| 50 mM | 0.05 mL | 0.248 mL | 0.496 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Xiang-Lei Yang, et al. INHIBITION OF NEDDYLATION USING GLYCYL-tRNA SYNTHETASE INHIBITORS. WO 2017066459 A1.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481