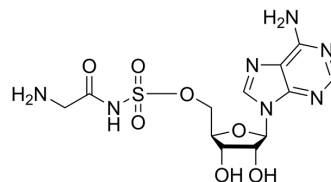


## GlyRS-IN-1

Cat. No.:	HY-108940
CAS No.:	112921-11-6
Molecular Formula:	C <sub>12</sub> H <sub>17</sub> N <sub>7</sub> O <sub>7</sub> S
Molecular Weight:	403.37
Target:	Bacterial; Aminoacyl-tRNA Synthetase
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (247.91 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.4791 mL	12.3956 mL	24.7911 mL
				5 mM	0.4958 mL	2.4791 mL	4.9582 mL
				10 mM	0.2479 mL	1.2396 mL	2.4791 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.67 mg/mL (4.14 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.67 mg/mL (4.14 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.67 mg/mL (4.14 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	GlyRS-IN-1 is a glycyl-tRNA synthase (GlyRS) inhibitor extracted from patent WO 2017066459 A1. GlyRS-IN-1 can also inhibit the growth of bacteria <sup>[1]</sup> .
IC <sub>50</sub> & Target	GlyRS <sup>[1]</sup> , Bacterial <sup>[1]</sup>

### REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA