Proteins

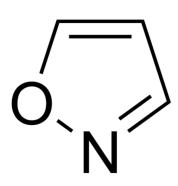
Isoxazole

Cat. No.: HY-W010649 CAS No.: 288-14-2 Molecular Formula: C_3H_3NO Molecular Weight: 69.06 Target: Antibiotic Pathway: Anti-infection

Storage: Pure form -20°C 3 years

> In solvent -80°C 6 months

> > -20°C 1 month



Product Data Sheet

SOLVENT & SOLUBILITY

In Vitro

DMSO: 100 mg/mL (1448.02 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	14.4802 mL	72.4008 mL	144.8016 mL
	5 mM	2.8960 mL	14.4802 mL	28.9603 mL
	10 mM	1.4480 mL	7.2401 mL	14.4802 mL

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

BIOLOGICAL ACTIVITY

Description

Isoxazole is a agent scaffold that can be used to develop new agents with various biological activities (e.g. anti-microbial, anti-viral, anti-cancer, anti-inflammatory, immunomodulatory, anti-convulsant or anti-diabetic properties)^{[1][2]}.

REFERENCES

[1]. Zhu J, et al. The recent progress of isoxazole in medicinal chemistry. Bioorg Med Chem. 2018 Jul 23;26(12):3065-3075.

[2]. Sysak A, et al. Isoxazole ring as a useful scaffold in a search for new therapeutic agents. Eur J Med Chem. 2017 Sep 8;137:292-309.

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

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