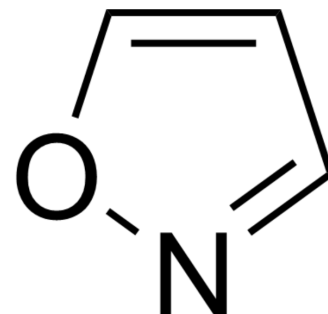


Isoxazole

Cat. No.:	HY-W010649		
CAS No.:	288-14-2		
Molecular Formula:	C ₃ H ₃ NO		
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



SOLVENT & SOLUBILITY

In Vitro

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

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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.

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