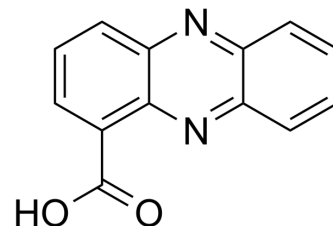


Phenazine-1-carboxylic acid

Cat. No.:	HY-33037		
CAS No.:	2538-68-3		
Molecular Formula:	C ₁₃ H ₈ N ₂ O ₂		
Molecular Weight:	224.21		
Target:	Fungal		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (22.30 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.4601 mL	22.3005 mL	44.6010 mL
	5 mM	0.8920 mL	4.4601 mL	8.9202 mL
	10 mM	0.4460 mL	2.2301 mL	4.4601 mL

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

BIOLOGICAL ACTIVITY

Description

Phenazine-1-carboxylic acid exhibits strong antifungal activity against phytopathogenic fungi.

REFERENCES

[1]. Cimmino A, et al. Phenazine-1-Carboxylic Acid (PCA), Produced for the First Time as an Antifungal Metabolite by *Truncatella angustata*, a Causal Agent of Grapevine Trunk Diseases (GTDs) in Iran. *J Agric Food Chem.* 2021 Oct 20;69(41):12143-12147.

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

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