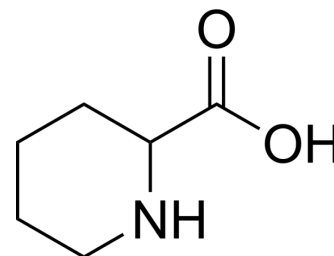


Pipecolic acid

Cat. No.:	HY-Y0669	
CAS No.:	535-75-1	
Molecular Formula:	C ₆ H ₁₁ NO ₂	
Molecular Weight:	129.16	
Target:	Endogenous Metabolite; Bacterial	
Pathway:	Metabolic Enzyme/Protease; 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

H₂O : 50 mg/mL (387.12 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	7.7423 mL	38.7117 mL	77.4233 mL
	5 mM	1.5485 mL	7.7423 mL	15.4847 mL
	10 mM	0.7742 mL	3.8712 mL	7.7423 mL

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

BIOLOGICAL ACTIVITY

Description

Pipecolic acid, a metabolite of Lysine, is an important precursor of many useful microbial secondary metabolites. Pipecolic acid can be used as a diagnostic marker of Pyridoxine-dependent epilepsy^{[1][2]}.

IC₅₀ & Target

Microbial Metabolite	Human Endogenous Metabolite
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REFERENCES

[1]. He M, et al. Pipecolic acid in microbes: biosynthetic routes and enzymes. *J Ind Microbiol Biotechnol*. 2006 Jun;33(6):401-7.

[2]. Plecko B, et, al. Pipecolic acid as a diagnostic marker of pyridoxine-dependent epilepsy. *Neuropediatrics*. 2005 Jun;36(3):200-5.

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

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