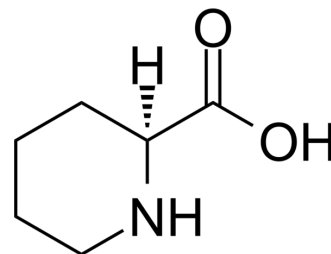


L-Pipecolic acid

Cat. No.:	HY-W012734		
CAS No.:	3105-95-1		
Molecular Formula:	C ₆ H ₁₁ NO ₂		
Molecular Weight:	129.16		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 : 100 mg/mL (774.23 mM; Need ultrasonic)
 DMSO : 1 mg/mL (7.74 mM; ultrasonic and warming and heat to 80°C)

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.

In Vivo

1. Add each solvent one by one: PBS
 Solubility: 100 mg/mL (774.23 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

L-Pipecolic acid (H-HoPro-OH) is a breakdown product of lysine, accumulates in body fluids of infants with generalized genetic peroxisomal disorders, such as Zellweger syndrome, neonatal adrenoleukodystrophy.

IC₅₀ & Target

Human Endogenous Metabolite

CUSTOMER VALIDATION

- bioRxiv. 2021 Apr 1.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Mihalik SJ, et al. Peroxisomal L-pipecolic acid oxidation is deficient in liver from Zellweger syndrome patients. *Pediatr Res.* 1989 May;25(5):548-52.

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

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