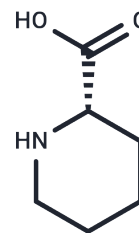


## L-Pipecolic acid

## Chemical Properties

CAS No. :	3105-95-1
Formula:	C <sub>6</sub> H <sub>11</sub> NO <sub>2</sub>
Molecular Weight:	129.16
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	L-Pipecolic acid (L-Homoproline) is a breakdown product of lysine, accumulates in body fluids of infants with generalized genetic peroxisomal disorders, such as Zellweger syndrome, neonatal adrenoleukodystrophy.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: Slightly soluble, H <sub>2</sub> O: 250 mg/mL (1935.58 mM), ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.7423 mL	38.7117 mL	77.4234 mL
5 mM	1.5485 mL	7.7423 mL	15.4847 mL
10 mM	0.7742 mL	3.8712 mL	7.7423 mL
50 mM	0.1548 mL	0.7742 mL	1.5485 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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.

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