



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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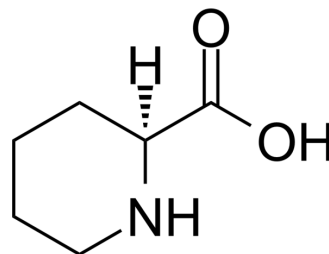
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## L-Pipecolic acid

<b>Cat. No.:</b>	HY-W012734		
<b>CAS No.:</b>	3105-95-1		
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>11</sub> NO <sub>2</sub>		
<b>Molecular Weight:</b>	129.16		
<b>Target:</b>	Endogenous Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 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.

#### IC<sub>50</sub> & Target

Human Endogenous Metabolite

### CUSTOMER VALIDATION

- bioRxiv. 2021 Apr 1.

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See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[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.

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

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