



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

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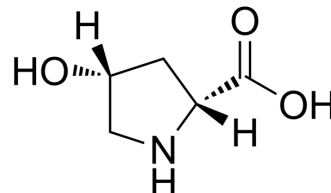
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H-D-cis-Hyp-OH

Cat. No.:	HY-W008129		
CAS No.:	2584-71-6		
Molecular Formula:	C ₅ H ₉ NO ₃		
Molecular Weight:	131.13		
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 (762.60 mM; Need ultrasonic)
 DMSO : < 1 mg/mL (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	7.6260 mL	38.1301 mL	76.2602 mL
	5 mM	1.5252 mL	7.6260 mL	15.2520 mL
	10 mM	0.7626 mL	3.8130 mL	7.6260 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 (762.60 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

cis-4-Hydroxy-D-proline is a precursor of conformationally restricted PNA adenine monomer. cis-4-Hydroxy-D-proline can be used to study the specificity and kinetics of D-alanine dehydrogenase^{[1][2]}.

REFERENCES

[1]. Püschl A, et, al. Pyrrolidine PNA: a novel conformationally restricted PNA analogue. *Org Lett.* 2000 Dec 28;2(26):4161-3.

[2]. Watanabe S, et, al. Characterization of cis-4-hydroxy-D-proline dehydrogenase from *Sinorhizobium meliloti*. *Biosci Biotechnol Biochem.* 2018 Jan;82(1):110-113.

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

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