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Produktinformation



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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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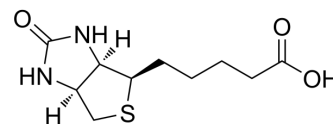
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L-Biotin

Cat. No.:	HY-W048449
CAS No.:	21788-37-4
Molecular Formula:	C ₁₀ H ₁₆ N ₂ O ₃ S
Molecular Weight:	244.31
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (409.32 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.0932 mL	20.4658 mL	40.9316 mL
	5 mM		0.8186 mL	4.0932 mL	8.1863 mL
	10 mM		0.4093 mL	2.0466 mL	4.0932 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (10.23 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (10.23 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (10.23 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

L-Biotin, also known as biotin, is a water-soluble vitamin that is an essential cofactor in the carboxylation of several enzymes. L-Biotin is involved in fatty acid synthesis and amino acid metabolism^[1].

REFERENCES

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

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