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Produktinformation



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Diagnostik & molekulare Diagnostik



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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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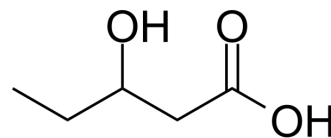
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3-Hydroxyvaleric acid

Cat. No.: HY-113004
CAS No.: 10237-77-1
Molecular Formula: C₅H₁₀O₃
Molecular Weight: 118.13
Target: Endogenous Metabolite
Pathway: Metabolic Enzyme/Protease
Storage: 4°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (846.53 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		8.4653 mL	42.3263 mL	84.6525 mL
	5 mM		1.6931 mL	8.4653 mL	16.9305 mL
	10 mM		0.8465 mL	4.2326 mL	8.4653 mL
	Please refer to the solubility information to select the appropriate solvent.				

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline

Solubility: ≥ 2.5 mg/mL (21.16 mM); Clear solution

2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)

Solubility: ≥ 2.5 mg/mL (21.16 mM); Clear solution

3. Add each solvent one by one: 10% DMSO >> 90% corn oil

Solubility: ≥ 2.5 mg/mL (21.16 mM); Clear solution

BIOLOGICAL ACTIVITY

Description	3-Hydroxyvaleric acid is a 5-carbon ketone body. 3-Hydroxyvaleric acid is anaplerotic, meaning it can refill the pool of TCA cycle intermediates.
IC ₅₀ & Target	Human Endogenous Metabolite

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

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