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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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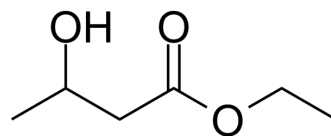
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Ethyl 3-hydroxybutyrate

| | | | |
|--------------------|---|-------|----------|
| Cat. No.: | HY-W012701 | | |
| CAS No.: | 5405-41-4 | | |
| Molecular Formula: | C ₆ H ₁₂ O ₃ | | |
| Molecular Weight: | 132.16 | | |
| Target: | Others | | |
| Pathway: | Others | | |
| Storage: | Pure form | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (756.66 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent Concentration | Mass | | |
|---------------------------|-----------------------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| | 1 mM | 7.5666 mL | 37.8329 mL | 75.6659 mL |
| | 5 mM | 1.5133 mL | 7.5666 mL | 15.1332 mL |
| | 10 mM | 0.7567 mL | 3.7833 mL | 7.5666 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 (18.92 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (18.92 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (18.92 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Ethyl 3-hydroxybutyrate is a fragrance found in wine and *Tribolium castaneum*^{[1][2]}.

REFERENCES

- [1]. Ortega C, et al. Fast analysis of important wine volatile compounds development and validation of a new method based on gas chromatographic-flame ionisation detection analysis of dichloromethane microextracts. *J Chromatogr A*. 2001 Jul 20;923(1-2):205-14.

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

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