

Isoamyl decanoate

Chemical Properties

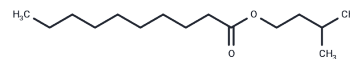
CAS No. : 2306-91-4

Formula: C₁₅H₃₀O₂

Molecular Weight: 242.4

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|---|
| Description | Isoamyl decanoate (Decanoic Acid Isoamyl Ester) has a strong rose fragrance and can be used to formulate food flavors and cosmetic flavors. |
| Targets(IC50) | Others |

Solubility Information

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|------------|--|
| Solubility | DMSO: 50 mg/mL (206.27 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
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Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 4.1254 mL | 20.6271 mL | 41.2541 mL |
| 5 mM | 0.8251 mL | 4.1254 mL | 8.2508 mL |
| 10 mM | 0.4125 mL | 2.0627 mL | 4.1254 mL |
| 50 mM | 0.0825 mL | 0.4125 mL | 0.8251 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Pérez-Jiménez M, et al. Effect of saliva esterase activity on ester solutions and possible consequences for the in-mouth ester release during wine intake. *J Texture Stud.* 2019 Feb;50(1):62-70.
- Zhang BQ, et al. Use of *Torulasporea delbrueckii* Co-fermentation With Two *Saccharomyces cerevisiae* Strains With Different Aromatic Characteristic to Improve the Diversity of Red Wine Aroma Profile. *Front Microbiol.* 2018 Apr 5;9:606.
- Wang Y, et al. Effects of Basal Defoliation on Wine Aromas: A Meta-Analysis. *Molecules.* 2018 Mar 28;23(4). pii: E779.
- Wang SY, et al. Dibasic Ammonium Phosphate Application Enhances Aromatic Compound Concentration in Bog Bilberry Syrup Wine. *Molecules.* 2016 Dec 29;22(1).

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