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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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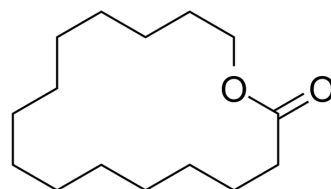
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ω -Pentadecalactone

| | | | |
|--------------------|--|-------|----------|
| Cat. No.: | HY-W035362 | | |
| CAS No.: | 106-02-5 | | |
| Molecular Formula: | C ₁₅ H ₂₈ O ₂ | | |
| Molecular Weight: | 240.38 | | |
| 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

Ethanol : 100 mg/mL (416.01 mM; Need ultrasonic)
 DMSO : 66.67 mg/mL (277.35 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent Concentration | Mass | | |
|---------------------------|-----------------------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| | 1 mM | 4.1601 mL | 20.8004 mL | 41.6008 mL |
| | 5 mM | 0.8320 mL | 4.1601 mL | 8.3202 mL |
| | 10 mM | 0.4160 mL | 2.0800 mL | 4.1601 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: \geq 2.5 mg/mL (10.40 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE- β -CD in saline)
Solubility: 2.5 mg/mL (10.40 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: \geq 2.5 mg/mL (10.40 mM); Clear solution
- Add each solvent one by one: 10% EtOH >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: \geq 2.5 mg/mL (10.40 mM); Clear solution
- Add each solvent one by one: 10% EtOH >> 90% (20% SBE- β -CD in saline)
Solubility: 2.5 mg/mL (10.40 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% EtOH >> 90% corn oil
Solubility: \geq 2.5 mg/mL (10.40 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

ω -Pentadecalactone is a fragrance ingredient. ω -Pentadecalactone is a member of the fragrance structural group macrocyclic lactone and lactide derivative^[1].

REFERENCES

[1]. D McGinty, et al. Fragrance material review on ω -pentadecalactone. Food Chem Toxicol. 2011 Dec;49 Suppl 2:S193-201.

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

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