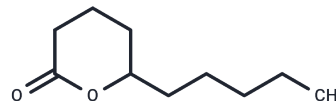


δ-Decalactone

Chemical Properties

CAS No. : 705-86-2
Formula: C₁₀H₁₈O₂
Molecular Weight: 170.25
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	δ-Decalactone is found in nonfat dry milks and fruits and with a sweet taste.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 45 mg/mL (264.32 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	5.8737 mL	29.3686 mL	58.7372 mL
5 mM	1.1747 mL	5.8737 mL	11.7474 mL
10 mM	0.5874 mL	2.9369 mL	5.8737 mL
50 mM	0.1175 mL	0.5874 mL	1.1747 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.

Reference

Hirotoishi Tamura, et al. Authenticity assessment of gamma- and delta-decalactone from prunus fruits by gas chromatography combustion/pyrolysis isotope ratio mass spectrometry (GC-C/P-IRMS). J Agric Food Chem. 2005

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