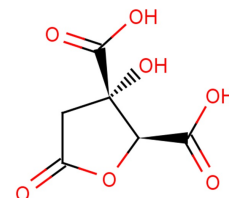


(-)-Hydroxycitric acid lactone

Chemical Properties

| | |
|-------------------|--|
| CAS No.: | 27750-13-6 |
| Formula: | C ₆ H ₆ O ₇ |
| Molecular Weight: | 190.11 |
| Appearance: | N/A |
| Storage: | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



Biological Description

| | |
|----------------------------|---|
| Description | (-)-Hydroxycitric acid lactone is an anti-obesity agent. |
| Targets(IC ₅₀) | Others: None |
| In vivo | (-)-Hydroxycitric acid lactone fed chicken for a period of 4 weeks significantly decreases body weight at 2000 and 3000 mg/kg[2]. |

Solubility Information

| | |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|----------|-----------|-----------|
| 1 mM | 5.26 mL | 26.301 mL | 52.601 mL |
| 5 mM | 1.052 mL | 5.26 mL | 10.52 mL |
| 10 mM | 0.526 mL | 2.63 mL | 5.26 mL |
| 50 mM | 0.105 mL | 0.526 mL | 1.052 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Jena BS, et al. Chemistry and biochemistry of (-)-hydroxycitric acid from Garcinia. J Agric Food Chem. 2002 Jan 2;50(1):10-22.
2. Han J, et al. (-)-Hydroxycitric acid reduced fat deposition via regulating lipid metabolism-related geneexpression in broiler chickens. Lipids Health Dis. 2016 Feb 24;15:37.

Inhibitors · Natural Compounds · Compound Libraries

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