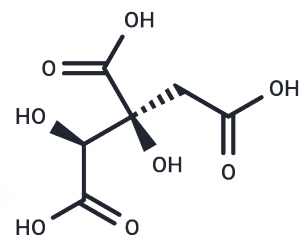


## (-)-Hydroxycitric acid

## Chemical Properties

CAS No. :	27750-10-3
Formula:	C <sub>6</sub> H <sub>8</sub> O <sub>8</sub>
Molecular Weight:	208.12
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	(-)-Hydroxycitric acid (Garcinia acid) is the principal acid found in the fruit rinds of <i>Garcinia cambogia</i> . It acts as a potent and competitive inhibitor of ATP citrate lyase, suppressing fatty acid synthesis, food intake, lipogenesis, and inducing weight loss.
Targets(IC50)	ATP Citrate Lyase

## Solubility Information

Solubility	1M HCl: 15 mg/mL (72.07 mM) ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8049 mL	24.0246 mL	48.0492 mL
5 mM	0.961 mL	4.8049 mL	9.6098 mL
10 mM	0.4805 mL	2.4025 mL	4.8049 mL
50 mM	0.0961 mL	0.4805 mL	0.961 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

- B. S. Jena, et al. Chemistry and Biochemistry of (-)-Hydroxycitric Acid from *Garcinia*. *J. Agric. Food Chem.* 2002, 50, 1, 10-22.
- Hayamizu K, et al. Effects of *Garcinia cambogia* (Hydroxycitric Acid) on visceral fat accumulation: a double-blind, randomized, placebo-controlled trial. *Curr Ther Res Clin Exp.* 2003 Sep;64(8):551-67.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481