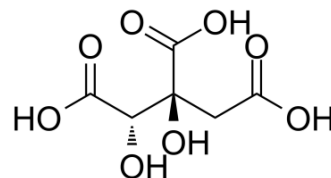


(-)-Hydroxycitric acid

Cat. No.:	HY-16007	
CAS No.:	27750-10-3	
Molecular Formula:	C ₆ H ₈ O ₈	
Molecular Weight:	208.12	
Target:	ATP Citrate Lyase	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 7.69 mg/mL (36.95 mM; ultrasonic and adjust pH to 3 with HCl)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.8049 mL	24.0246 mL	48.0492 mL
	5 mM	0.9610 mL	4.8049 mL	9.6098 mL
	10 mM	0.4805 mL	2.4025 mL	4.8049 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

(-)-Hydroxycitric acid (Garcinia acid) is the principal acid of fruit rinds of *Garcinia cambogia*. (-)-Hydroxycitric acid is a potent and competitive inhibitor of ATP citrate lyase. (-)-Hydroxycitric acid suppresses the fatty acid synthesis, lipogenesis, food intake, and induced weight loss^{[1][2]}.

REFERENCES

[1]. B. S. Jena, et al. Chemistry and Biochemistry of (-)-Hydroxycitric Acid from *Garcinia*. *J. Agric. Food Chem.* 2002, 50, 1, 10-22.

[2]. 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.

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

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