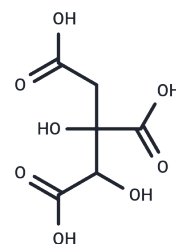


## Hydroxycitric acid

## Chemical Properties

CAS No. :	6205-14-7
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 (HCA) can inhibit fat synthesis and reduces food intake, the primary mechanism of action of HCA appears to be related to its ability to act as a competitive inhibitor of the enzyme ATP-citrate lyase, which catalyzes the conversion of citrate and coenzyme A to oxaloacetate and acetyl coenzyme A (acetyl-CoA), primary building blocks of fatty acid and cholesterol synthesis.
Targets(IC50)	ERK,ATP Citrate Lyase,HIF/HIF Prolyl-Hydroxylase,Fatty Acid Synthase,p38 MAPK

## 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

Safety assessment of (-)-hydroxycitric acid and Super CitriMax, a novel calcium/potassium salt. Food Chem Toxicol. 2004 Sep;42(9):1513-29.

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