

Product Name : Citric acid

Synonyms : —

Cat No. : M15941

CAS Number : 77-92-9

Molecular Formula : C₆H₈O₇

Formula Weight : 192.12

Chemical Name : —

Description : Citric acid is a weak organic tricarboxylic acid found in citrus fruits. Citric acid is a natural preservative and food tartness enhancer.

Pathway : Apoptosis

Target : Apoptosis

Receptor : —

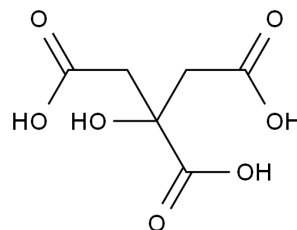
Solubility : N/A

SMILES : OC(CC(CC(=O)O)(C(=O)O)O)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :



1. Ying TH, et al. Citric acid induces cell-cycle arrest and apoptosis of human immortalized keratinocyte cell line (HaCaT) via caspase- and mitochondrial-dependent signaling pathways. *Anticancer Res.* 2013 Oct;33(10):4411-20. | 2. Abdel-Salam OM, et al. Citric acid effects on brain and liver oxidative stress in lipopolysaccharide-treated mice. *J Med Food.* 2014 May;17(5):588-98. | 3. Lacour B, et al. Stimulation by citric acid of calcium and phosphorus bioavailability in rats fed a calcium-rich diet. *Miner Electrolyte Metab.* 1997;23(2):79-87. | 4. nagai R, et al. Citric acid inhibits development of cataracts, proteinuria and ketosis in streptozotocin (type 1) diabetic rats. *Biochem Biophys Res Commun.* 2010 Feb 26;393(1):118-22.