



LKT Laboratories, Inc.

Itaconic Acid

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lctlabs.com
Web: lctlabs.com

Product Information

Product ID I761004

CAS No. 97-65-4

Chemical Name

Synonym Methylenesuccinic acid

Formula $C_5H_6O_4$

Formula Wt. 130.10

Melting Point

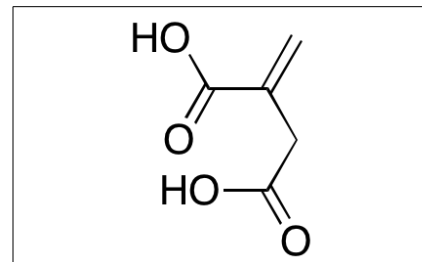
Purity $\geq 99\%$

Solubility Soluble in water to 100 mM
and in ethanol

Store Temp $4^\circ C$

Ship Temp Ambient

Description Itaconic acid is an organic acid that is used as a precursor in the polymer industry. Itaconic acid has been used in production of a surfactant that can increase skin permeation of topical treatments. Itaconic acid has also been used in creation of controlled-release hydrogel antibiotics.



Bulk quantities available upon request

Product ID	Size
I761004	1 g
I761004	5 g
I761004	25 g

References Abruzzo A, Armenise A, Bigucci F, et al. Surfactants from itaconic acid: toxicity to HaCaT keratinocytes in vitro, micellar solubilization, and skin permeation enhancement of hydrocortisone. *Int J Pharm.* 2017 May 30;524(1-2):9-15. PMID: 28356226.

Sood S, Gupta VK, Agarwal S, et al. Controlled release of antibiotic amoxicillin drug using carboxymethyl cellulose-cl-poly(lactic acid-co-itaconic acid) hydrogel. *Int J Biol Macromol.* 2017 Aug;101:612-620. PMID: 28344094.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.