



## Product Information

**Product ID** I761004

**CAS No.** 97-65-4

**Chemical Name** 2-methylidenebutanedioic acid

**Synonym** Methylenesuccinic acid

**Formula** C<sub>5</sub>H<sub>6</sub>O<sub>4</sub>

**Formula Wt.** 130.10

**Melting Point**

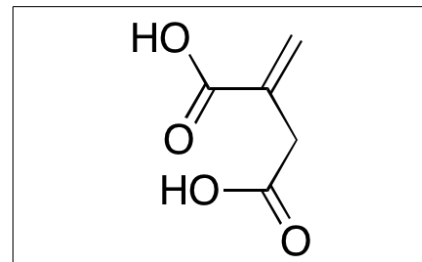
**Purity** ≥99%

**Solubility** Soluble in water to 100 mM and in ethanol

**Store Temp** 4°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.



## Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
I761004	1 g	\$37.60
I761004	5 g	\$52.50
I761004	25 g	\$78.80
I761004	100 g	\$131.30

**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.