



LKT Laboratories, Inc.

Bongkreikic Acid

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: getinfo@lktlabs.com

Web: lktlabs.com

Product Information

Product ID B5753

CAS No. 11076-19-0

Chemical Name 3-Carboxymethyl-17-methoxy-6,18,21-trimethyldocosa-
-2,4,8,12,14,18,20-heptaenedioic acid

Synonym Bongkreik acid; Flavotoxin A; L7V4I673D2; C28H38O7

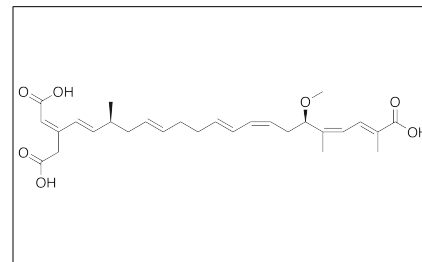
Formula C₂₈H₃₈O₇

Formula Wt. 486.60

Melting Point 50-60°C

Purity ≥98%

Solubility Soluble as 2N in NH₄OH.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
B5753	100 µg	\$285.00
B5753	1 mg	\$2450.00

Store Temp -20°C

Ship Temp Ambient

Description Bongkreikic acid is an antioxidative compound that inhibits mitochondrial respiration by preventing the mitochondrial permeability transition (MPT); it suppresses transport of ADP/ATP across the mitochondrial inner membrane, decreasing oxidative stress. TEST!!!!!!

References Nolly MB, Caldiz CI, Yeves AM, et al. The signaling pathway for aldosterone-induced mitochondrial production of superoxide anion in the myocardium. J Mol Cell Cardiol. 2014 Feb;67:60-8. PMID: 24355174.

Rey M, Forest E, Pelosi L. Exploring the conformational dynamics of the bovine ADP/ATP carrier in mitochondria. Biochemistry. 2012 Dec 4;51(48):9727-35. PMID: 23136955.

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