



LKT Laboratories, Inc.

Rebamipide

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

Product Information

Product ID R1806

CAS No. 90098-04-7

Chemical Name α -[(4-Chlorobenzoyl)-amino]-1,2-dihydro-2-oxo-4-quinolinepropanoic acid

Synonym Proamipide, OPC-12759, Mucosta

Formula C₁₉H₁₅ClN₂O₄

Formula Wt. 370.79

Melting Point 288-290° C(dec)

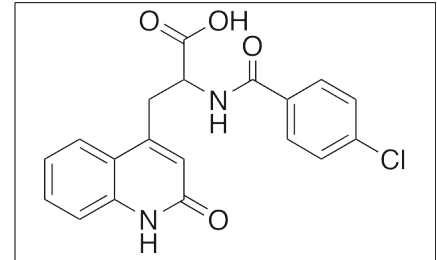
Purity \geq 98%

Solubility Soluble in dimethyl-formamide, DMSO (74mg/mL). Slightly soluble in water, methanol and ethanol

Store Temp Ambient

Ship Temp Ambient

Description Rebamipide is a quinolone derivative that is clinically used for mucosal protection in the treatment of gastritis and ulcers. Rebamipide exhibits antioxidative activity as a radical scavenger and inhibits NSAID-induced lipid peroxidation, alterations in mitochondrial membrane potential, and apoptosis in epithelial cells.



Bulk quantities available upon request

Product ID	Size
R1806	1 g
R1806	5 g
R1806	25 g

References Nagano Y, Matsui H, Muramatsu M, et al. Rebamipide significantly inhibits indomethacin-induced mitochondrial damage, lipid peroxidation, and apoptosis in gastric epithelial RGM-1 cells. *Dig Dis Sci.* 2005 Oct;50 Suppl 1:S76-83. PMID: 16184425.

Arakawa T, Kobayashi K, Yoshikawa T, et al. Rebamipide: overview of its mechanisms of action and efficacy in mucosal protection and ulcer healing. *Dig Dis Sci.* 1998 Sep;43(9 Suppl):5S-13S. PMID: 9753220.

Arakawa T, Watanabe T, Fukuda T, et al. Rebamipide, novel prostaglandin-inducer accelerates healing and reduces relapse of acetic acid-induced rat gastric ulcer. Comparison with cimetidine. *Dig Dis Sci.* 1995 Nov;40(11):2469-72. PMID: 7587834.

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