



LKT Laboratories, Inc.

Rebamipide

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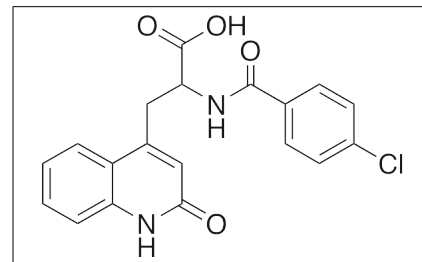
Product Information

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 $C_{19}H_{15}ClN_2O_4$
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. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
R1806	1 g	\$60.00
R1806	5 g	\$247.30
R1806	25 g	\$674.20

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.