



LKT Laboratories, Inc.

Pipemidic Acid

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

Product Information

Product ID P3461

CAS No. 51940-44-4

Chemical Name

Synonym

Formula $C_{14}H_{17}N_5O_3$

Formula Wt. 303.32

Melting Point

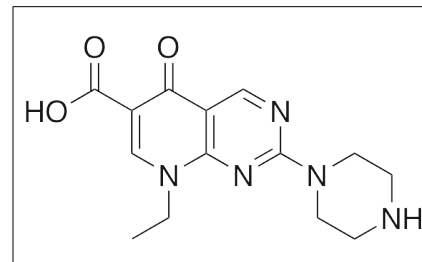
Purity $\geq 98\%$

Solubility

Store Temp Ambient

Ship Temp Ambient

Description Pipemidic acid is a pyridopyrimidine antibiotic that inhibits bacterial DNA gyrase; it exhibits antibacterial activity. Pipemidic acid also inhibits ATP-sensitive K^+ channels, inducing insulin release in vitro, suggesting potential a potential link to hypoglycemia. High doses of pipemidic acid induce cartilage toxicity (arthropathy) in neonatal mice. TEST!!!!!!



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P3461	1 g	\$38.60
P3461	10 g	\$65.80
P3461	100 g	\$412.00

References Aubry A, Pan XS, Fisher LM, et al. Mycobacterium tuberculosis DNA gyrase: interaction with quinolones and correlation with antimycobacterial drug activity. Antimicrob Agents Chemother. 2004 Apr;48(4):1281-8. PMID: 15047530.

Maeda N, Tamagawa T, Niki I, et al. Increase in insulin release from rat pancreatic islets by quinolone antibiotics. Br J Pharmacol. 1996 Jan;117(2):372-6. PMID: 8789393.

Linseman DA, Hampton LA, Branstetter DG. Quinolone-induced arthropathy in the neonatal mouse. Morphological analysis of articular lesions produced by pipemidic acid and ciprofloxacin. Fundam Appl Toxicol. 1995 Nov;28(1):59-64. PMID: 8566484.

Aoyama H, Sato K, Fujii T, et al. Purification of Citrobacter freundii DNA gyrase and inhibition by quinolones. Antimicrob Agents Chemother. 1988 Jan;32(1):104-9. PMID: 2831810.

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