



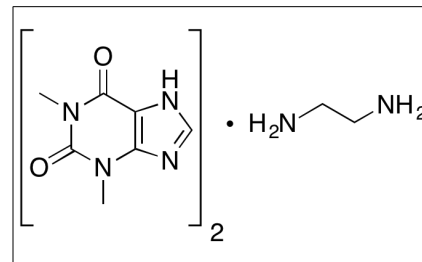
LKT Laboratories, Inc.

Aminophylline Anhydrous

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Product Information

Product ID A5134
CAS No. 317-34-0
Chemical Name 3,7-Dihydro-1,3-dimethyl-1H-purine-2,6-dione compd with 1,2-ethanediamine (2:1)
Synonym Aminophylline, Afonilum, Cardophylin, Pecram, Phyllotemp, Tefamin
Formula $C_{16}H_{24}N_{10}O_4$
Formula Wt. 420.43
Melting Point 269-270°C
Purity ≥98%
Solubility Soluble in water. Insoluble in alcohol and ether.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A5134	25 g	\$68.00
A5134	100 g	\$110.40
A5134	500 g	\$339.80

Store Temp 4°C

Ship Temp Ambient

Description Aminophylline is a non-selective adenosine receptor antagonist and phosphodiesterase (PDE) inhibitor. Aminophylline exhibits vasodilatory and anti-inflammatory activity and is occasionally clinically used to treat chronic obstructive pulmonary disorder (COPD). In animal models of allergen-induced lung inflammation, aminophylline decreases levels of IL-5, IL-8, and eosinophils.

References Nickels TJ, Schwartz AD, Blevins DE, et al. Effect of theophylline and aminophylline on transmitter release at the mammalian neuromuscular junction is not mediated by cAMP. Clin Exp Pharmacol Physiol. 2006 May-Jun;33(5-6):465-70. PMID: 16700879.

Danahay H, Broadley KJ, McCabe PJ, et al. The potential roles of cytokines, IL-5 and IL-8, and plasma cortisol in the anti-inflammatory actions of phosphodiesterase inhibitors in sensitized guinea-pig airways. Pulm Pharmacol Ther. 1997 Oct-Dec;10(5-6):277-85. PMID: 9778491.

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