



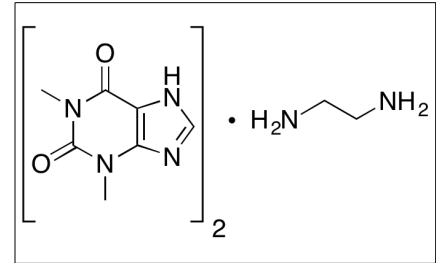
LKT Laboratories, Inc.

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 C₁₆H₂₄N₁₀O₄
Formula Wt. 420.43
Melting Point 269-270° C
Purity ≥98%
Solubility Soluble in water. Insoluble in alcohol and ether.

Bulk quantities available upon request

Product ID	Size
A5134	25 g
A5134	100 g
A5134	500 g

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.