Aminophylline Anhydrous

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.

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.


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