Aminophylline Dihydrate

**Product Information**

- **Product ID**: A5135
- **CAS No.**: 
- **Chemical Name**: 3,7-Dihydro-1,3-dimethyl-1H-purine-2,6-dione
- **Synonym**: Theophylline compound with ethylenediamine
- **Formula**: $C_{16}H_{24}N_{10}O_4 \cdot 2H_2O$
- **Formula Wt.**: 456.47
- **Melting Point**: >98%
- **Purity**: >98%
- **Solubility**: Soluble in water (1g/5mL). Insoluble in alcohol and ether.

**Store Temp**: Ambient

**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.

**Pricing and Availability**

*Bulk quantities available upon request*

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<th>Product ID</th>
<th>Size</th>
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**References**


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