**Aminophylline Anhydrous**

**Product Information**

<table>
<thead>
<tr>
<th>Product ID</th>
<th>Size</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A5134</td>
<td>25 g</td>
<td>$57.10</td>
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<tr>
<td>A5134</td>
<td>100 g</td>
<td>$92.70</td>
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<tr>
<td>A5134</td>
<td>500 g</td>
<td>$285.30</td>
</tr>
</tbody>
</table>

**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**: \( \text{C}_{16}\text{H}_{24}\text{N}_{10}\text{O}_{4} \)

**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.

**References**


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