

Catalog Number: CM00045

产品信息

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CM00045

CAS号:
479-18-5

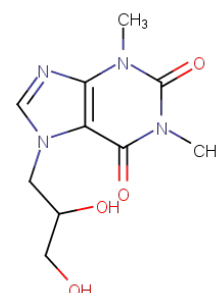
分子式:
 $C_{10}H_{14}N_4O_4$

主要靶点:
Adenosine Receptor|PDE

主要通路:
代谢|G蛋白偶联受体|神经科学

分子量:
254.25

溶解度:
H₂O:47 mg/mL (184.9 mM), DMSO:48 mg/mL (188.8 mM), Ethanol:<1 mg/mL



描述

Diphylline is a xanthine derivative. Diphylline exerts bronchodilator effects and to a lesser extent vasodilator and diuretic properties. Diphylline probably acts as a competitive inhibitor of phosphodiesterase which leads to an increase in intracellular cAMP. This results in relaxation of bronchial smooth muscle and other smooth muscles. Diphylline may also antagonize adenosine receptors. Diphylline is used in the treatment of acute bronchial asthma, chronic bronchitis and emphysema.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years