

Theophylline-7-acetic acid

Catalog No: #S2205

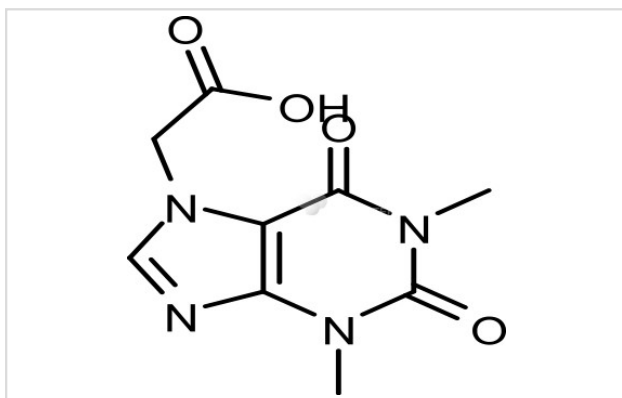
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Description

Product Name	Theophylline-7-acetic acid
Brief Description	Inhibitors
Purification	99.00%
Target Name	Adenosine Receptor antagonist; HDAC inhibitor; PDE inhibitor; PKA activator; TNF inhibitor
Calculated MW	238.2
Formulation	C ₉ H ₁₀ N ₄ O ₄
Storage	3 years -20°C powder; 2 years -80°C in solvent;

Images



Product Description

Research Area: Cardiovascular System
 SMILES: CN1C2=C(N(CC(O)=O)C=N2)C(=O)N(C)C1=O
 Pathways: Chromatin/Epigenetic; Apoptosis; GPCR/G Protein; Metabolism; DNA Damage/DNA Repair; NF-κB Receptor: A1; A2; A3; HDAC2; PDE4; PKA; TNF-α
 Boiling pt: Melting pt: 270-272°C
 Solubility: Soluble in Water
 Appearance: White Crystal Solid
 Remark: For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20 °C for several months.

References

1. Voynikov Y, et al. Bioorg Med Chem Lett. 2014 Jul 15; 24(14):3043-5.

Note: This product is for in vitro research use only