

Theophylline monohydrate

Catalog No: #S1083L

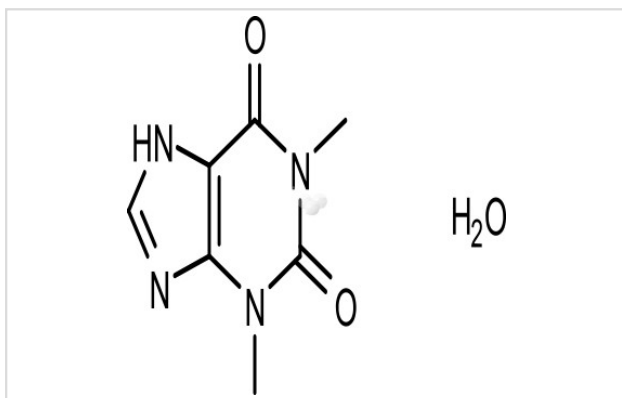
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Description

Product Name	Theophylline monohydrate
Brief Description	Inhibitors
Purification	99.00%
Target Name	AChR inhibitor; HDAC activator; PDE inhibitor
Calculated MW	198.18
Formulation	C7H8N4O2H2O
Storage	3 years -20°C powder; 2 years -80°C in solvent;

Images



Product Description

Research Area:Respiratory system
 SMILES:O.CN1C2=C(NC=N2)C(=O)N(C)C1=O
 Pathways:Chromatin/Epigenetic; Metabolism; Neuroscience; DNA Damage/DNA Repair; NF-kB
 Receptor:Adenosine receptor; HDAC2; PDE
 Boling pt:454.1C
 Melting pt:270-274C
 Solubility:Soluble in Water
 Appearance:White Powder
 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 month.

References

1. Nantwi KD, et al. J Spinal Cord Med. 2003 Winter;26(4):364-71.

Note: This product is for in vitro research use only