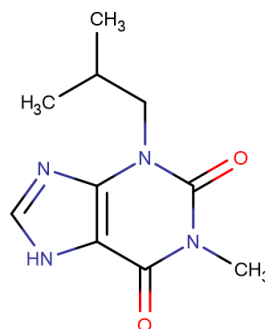


Product Name	: IBMX
Synonyms	: Isobutylmethylxanthine; 1-Methyl-3-Isobutylxanthine
Cat No.	: M13880
CAS Number	: 28822-58-4
Molecular Formula	: C ₁₀ H ₁₄ N ₄ O ₂
Formula Weight	: 222.24
Chemical Name	: 3-Isobutyl-1-methylxanthine
Description	: 3-Isobutyl-1-methylxanthine is a potent cyclic nucleotide phosphodiesterase inhibitor; due to this action, the compound increases cyclic AMP and cyclic GMP in tissue and thereby activates cyclic nucleotide regulated protein kinases.
Pathway	: Angiogenesis
Target	: PDE
Receptor	: PDE3; PDE4; PDE5
Solubility	: Soluble in DMSO
SMILES	: <chem>O=C(N1C)N(CC(C)C)C2=C(NC=N2)C1=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Jin KS, et al. Food Chem Toxicol. 2014 Jun;68:38-43.