CD BioGlyco
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Product Information

Diprophylline

Cat. No.: X23-12-YM627

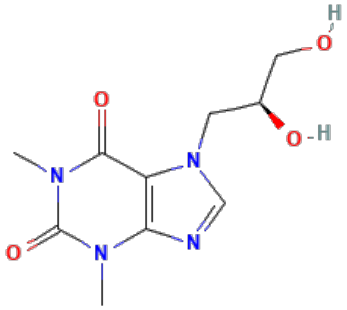
Size: 50 mg; 100 mg; 500 mg; 1 g

CAS Number: 72376-77-3

Compound CID: 688352

Synonym: 72376-77-3; Dyphylline

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Diprophylline inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins.
Molecular Weight	254.24
Molecular Formula	$C_{10}H_{14}N_4O_4$
IUPAC Name	7-[(2*S*)-2,3-Dihydroxypropyl]-1,3-dimethylpurine-2,6-dione
InChI	InChI=1S/C10H14N4O4/c1-12-8-7(9(17)13(2)10(12)18)14(5-11-8)3-6(16)4-15/h5-6,15-16H,3-4H2,1-2H3/t6-/m0/s1
InChI Key	KSCFJBIXMNOVSH-LURJTMIESA-N
Canonical SMILES	CN1C2=C(C(=O)N(C1=O)C)N(C=N2)CC(CO)O
Isomeric SMILES	CN1C2=C(C(=O)N(C1=O)C)N(C=N2)C[C@@H](CO)O
Form	Lyophilized powder
Purity	>98%
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Diprophylline can be used to research and develop therapeutic strategies for certain diseases that involve excessive activation of GPCR-G protein signaling pathways.
Storage	Store at -20°C, and keep desiccated.