

Product Information

ATP ditromethamine

Cat. No.: X25-06-LY853

Size: 50 mg; 100 mg; 250 mg; 500 mg

CAS Number: 102047-34-7

Compound CID: 45052362

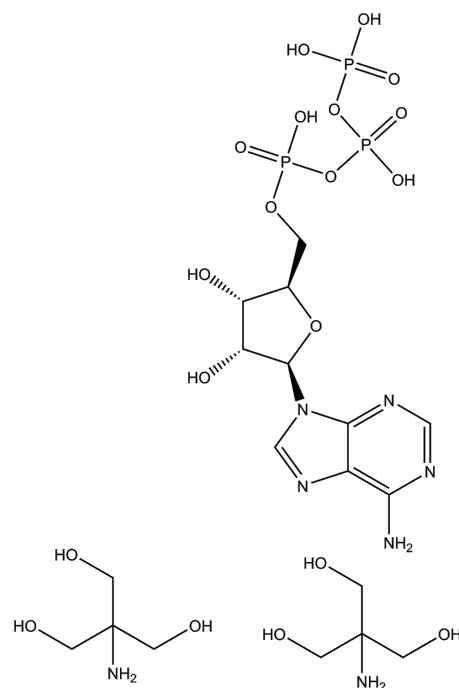
Synonym: 102047-34-7;

2-Amino-2-(hydroxymethyl)propane-1,

3-diol;[[[(2*R*,3*S*,4*R*,5*R*)-5-(6-aminopurin-9-yl)-3,4-dihydroxyoxolan-2-yl]methoxy-
hydroxyphosphoryl] phosphono hydrogen phosphate; Adenosine 5'-triphosphate

di(tris) salt dihydrate; ATP ditromethamine

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



Product Information

Description	ATP ditromethamine is a derivative of ATP and contains dimethylation modification. It is composed of one adenine, one ribose and three phosphate groups.
Molecular Weight	749.45
Molecular Formula	C ₁₈ H ₃₈ N ₇ O ₁₉ P ₃
IUPAC Name	2-Amino-2-(hydroxymethyl)propane-1,3-diol;[[[(2 <i>R</i> ,3 <i>S</i> ,4 <i>R</i> ,5 <i>R</i>))5-(6-aminopurin-9-yl)-3,4-dihydroxyoxolan-2-yl]methoxy-hydroxyphosphoryl] phosphono hydrogen phosphate
InChI	InChI=1S/C10H16N5O13P3.2C4H11NO3/c11-8-5-9(13-2-12-8)15(3-14-5)10-7(17)6(16)4(26-10)1-2 5-30(21,22)28-31(23,24)27-29(18,19)20;2*5-4(1-6,2-7)3-8/h2-4,6-7,10,16-17H,1H2,(H,21,22)(H,23,2 4)(H2,11,12,13)(H2,18,19,20);2*6-8H,1-3,5H2/t4-,6-,7-,10-;/m1../s1
InChI Key	RFLPQCVEEHGPOA-IDIVVRGQSA-N
SMILES string	C1=NC(=C2C(=N1)N(C=N2)[C@H]3[C@@H]([C@@H]([C@H](O3)COP(=O)(O)OP(=O)(O)OP(=O)(O)O)O)N.C(C(CO)(CO)N)O.C(C(CO)(CO)N)O
Form	Solid
Purity	≥95.0%
Quality Level	Research grade



Applications

ATP ditromethamine can be used to study the role of ATP in cellular energy metabolism, signal transduction and regulation of enzyme activity.

Storage

Store at -20°C.
