

Product Datasheet

c-Di-AMP(Cyclic-Di-AMP) ammonium salt (orb654637)

Description	Bis-(3'-5')-cyclic dimeric adenosine monophosphate (c-di-AMP) is a bacterial second messenger implicated in the control of cell wall metabolism, osmotic stress responses and sporulation. Detection of c-di-AMP by the host cytoplasmic surveillance pathway (CSP) is known to elicit type I IFN responses through a signaling axis that involves STING, TBK1 and IRF3 [1, 2]. Involvement of the helicase DDX41 in the recognition of c-di-AMP has been suggested [3]. Recent studies have also demonstrated that c-di-AMP exerts strong adjuvant activities when delivered by the mucosal route [4, 5].
Note	For research use only
Formula	$C_{20}H_{24}N_{10}O_{12}P_2$
MW	658.41
CAS Number	[54447-84-6]
SMILES	<chem>NC1=NC=NC2N([C@@H]3O[C@@H]4COP(O[C@@H]5[C@@H](COP(O[C@@H]4[C@@H]3O)(O)=O)O[C@@H](N3C=NC4C(=NC=NC3=4)N)[C@@H]5O)(O)=O)C=NC1=2</chem>
Expiration Date	12 months from date of receipt.

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