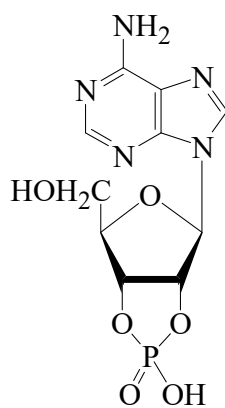




>>Entry Name: Adenosine cyclic 2',3'-(hydrogen phosphate), 9Cl

Synonym(s): 2',3'-AMP



CAS Registry Number: 634-01-5

Molecular Formula: $C_{10}H_{12}N_5O_6P$

Molecular Weight: 329.209

Accurate Mass: 329.052522

Percentage Composition: C 36.48%; H 3.67%; N 21.27%; O 29.16%; P 9.41%

Physical Description: Needles (EtOH)

UV: [neutral] $\lambda_{\max}$ 26000 (ϵ 13150) (as Ba salt)

>>Derivative: Na salt

CAS Registry Number: 37063-35-7

Physical Description: Hydrate

Melting Point: Mp 241-243° (dec.)

References:

- Brown, D.M. *et al.*, *J.C.S.*, 1952, 2708-2714, (*synth*)
Smith, M. *et al.*, *J.A.C.S.*, 1958, **80**, 6204-6212, (*synth*)
Jardetsky, C.D. *et al.*, *J.A.C.S.*, 1960, **82**, 222-229; 1962, **84**, 62-66, (*pmr*)
Ikehara, M. *et al.*, *J.O.C.*, 1966, **31**, 819-821, (*synth*)
Ueda, T. *et al.*, *Chem. Pharm. Bull.*, 1970, **18**, 2303-2308, (*synth*)
Van Boom, J.H. *et al.*, *Nucleic Acids Res.*, 1976, **3**, 2731-2747, (*synth, tlc*)
Eto, M. *et al.*, *Agric. Biol. Chem.*, 1978, **42**, 199-200, (*synth, props, uv, pmr*)
Uesugi, U. *et al.*, *Chem. Pharm. Bull.*, 1978, **26**, 3040-3049, (*cmr*)
Fathi, R. *et al.*, *J.O.C.*, 1986, **51**, 4143-4146, (*P-31 nmr*)