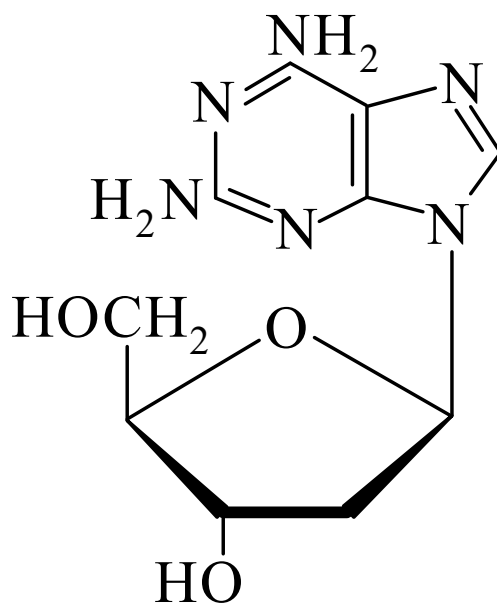




>>Entry Name: 2-Amino-2'-deoxyadenosine, 9CI

Synonym(s): 2-Amino-9-(2-deoxy-β-D-ribofuranosyl)adenine



CAS Registry Number: 4546-70-7

Molecular Formula: C₁₀H₁₄N₆O₃

Molecular Weight: 266.259

Accurate Mass: 266.112739

Percentage Composition: C 45.11%; H 5.30%; N 31.56%; O 18.03%

Biological Source: Prod. by certain aerobic bacteria in the presence of purine and *Actinomadura* sp.

Use/Importance: Shows antitumour activity

Physical Description: Needles (H₂O)

Melting Point: Mp 146-148°

Optical Rotation: $[\alpha]_D^{26} -39.2$ (c, 0.83 in H₂O)

Sigma: D4132

References:

- Fr. Pat.*, 1965, *Takeda*, 1 402 909; *CA*, **63**, 17100, (*biosynth*)
Christensen, L.F. *et al.*, *J. Med. Chem.*, 1972, **15**, 735, (*synth, pmr*)
Ueda, T. *et al.*, *Chem. Pharm. Bull.*, 1978, **26**, 2122, (*synth*)
Muraoka, M., *Chem. Pharm. Bull.*, 1981, **29**, 3449, (*synth*)
Japan. Pat., 1981, *Kitasato Inst*, 81 42 595; *CA*, **95**, 22948, (*biosynth*)