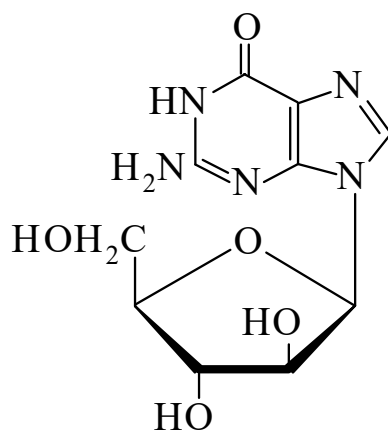




>>Entry Name: 9-Arabinofuranosylguanine, 8Cl

Synonym(s): 2-Amino-9-arabinofuranosyl-1,9-dihydro-6H-purin-6-one, 9Cl. Araguanosine. Guanine arabinoside



Extra CAS Registry Numbers(s): 7013-16-3

Molecular Formula: C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>5</sub>

Molecular Weight: 283.243

Accurate Mass: 283.09167

Percentage Composition: C 42.41%; H 4.63%; N 24.73%; O 28.24%

Biological Use/Importance: Antineoplastic agent

>>Variant: β-D-form

CAS Registry Number: 38819-10-2

Molecular Formula: C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>5</sub>

Molecular Weight: 283.243

Accurate Mass: 283.09167

Percentage Composition: C 42.41%; H 4.63%; N 24.73%; O 28.24%

Melting Point: Mp 300°

Optical Rotation:  $[\alpha]_D^{24} +28$  (c, 0.25 in H<sub>2</sub>O)

Other Data:  $\lambda_{\max}$  252 (ε 14 000) (H<sub>2</sub>O), 256 (12 600) (pH 1), 265 nm (11 800) (pH 13)

#### References:

Reist, E.J. *et al.*, *Biochemistry*, 1964, **3**, 15, (*synth*)

Guschlbauer, W. *et al.*, *Bull. Soc. Chim. Biol.*, 1969, **51**, 1511, (*ord, cd, uv*)

Ikehara, M. *et al.*, *J. Carbohydr., Nucleosides, Nucleotides*, 1976, **3**, 149, (*synth*)

Kurtzberg, J., *Ann. N.Y. Acad. Sci.*, 1993, **685**, 225-236, (*rev, pharmacol*)