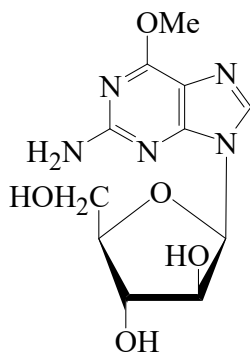




>>Entry Name: Nelzarabine, INN

Synonym(s): 9-Arabinofuranosyl-6-methoxy-9H-purin-2-amine, 9Cl. 2-Amino-6-methoxypurine arabinoside. **Nelarabine**, BAN, USAN. 506 U 78. GW 506 U 78



Molecular Formula: C₁₁H₁₅N₅O₅

Molecular Weight: 297.27

Accurate Mass: 297.10732

Percentage Composition: C 44.44%; H 5.09%; N 23.56%; O 26.91%

Biological Use/Importance: Antineoplastic agent

Other Data: Water sol. prodrug of [BWQ05-N](#)

>>Variant: β-D-form

CAS Registry Number: 121032-29-9

Molecular Formula: C₁₁H₁₅N₅O₅

Molecular Weight: 297.27

Accurate Mass: 297.10732

Percentage Composition: C 44.44%; H 5.09%; N 23.56%; O 26.91%

Physical Description: Cryst.

Melting Point: Mp 210°

Optical Rotation: $[\alpha]_D^{20} +55.9$ (c, 0.27 in DMF)

References:

- Eur. Pat.*, 1988, *Wellcome Foundation*, 294 114; *CA*, **111**, 7760s, (*synth, pharmacol*)
Averett, D.R. *et al.*, *Antimicrob. Agents Chemother.*, 1991, **35**, 851-857, (*pharmacol*)
Lambe, C.U. *et al.*, *Cancer Res.*, 1995, **55**, 3352-3356, (*pharmacol*)
Rodriguez, C.O. *et al.*, *J. Chromatogr., B: Biomed. Appl.*, 2000, **745**, 421-430, (*hplc*)
Kisor, D.F. *et al.*, *J. Clin. Oncol.*, 2000, **18**, 995-1003, (*pharmacokinetic*)