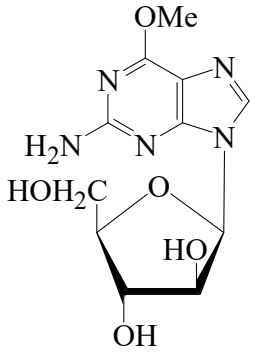
>>**Entry Name: Nelzarabine,** INN

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



Molecular Formula: $C_{11}H_{15}N_5O_5$
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: $C_{11}H_{15}N_5O_5$
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, *(pharmaco kinet)*

https://www.baizuoyan.com - CopyRight ©baizuoyan