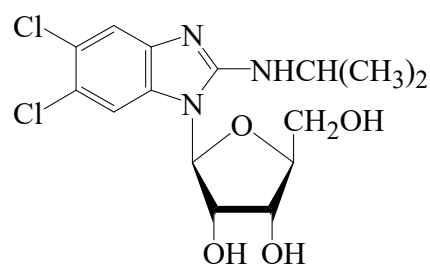




>>Entry Name: Maribavir, BAN, INN, USAN

Synonym(s): 5,6-Dichloro-*N*-(1-methylethyl)-1-ribofuranosyl-1*H*-benzimidazol-2-amine, 9Cl. Benzimidavir. 1263 W 94



Related CAS Registry Numbers(s): 176161-49-2

Molecular Formula: C₁₅H₁₉Cl₂N₃O₄

Molecular Weight: 376.238

Accurate Mass: 375.075261

Percentage Composition: C 47.89%; H 5.09%; Cl 18.85%; N 11.17%; O 17.01%

Biological Use/Importance: Antiviral agent. Used in the treatment of cytomegalovirus infections

>>Variant: (β-L)-form

CAS Registry Number: 176161-24-3

Molecular Formula: C₁₅H₁₉Cl₂N₃O₄

Molecular Weight: 376.238

Accurate Mass: 375.075261

Percentage Composition: C 47.89%; H 5.09%; Cl 18.85%; N 11.17%; O 17.01%

Physical Description: Solid

Optical Rotation: $[\alpha]_{\text{D}}^{20} -22.4$ (c, 0.5 in DMF)

UV: [neutral] λ_{max} 260 (ε 8300); 275 (ε 1800); 304 (ε 9500) (pH 7)

Other Data: Pharmacol. active isomer

References:

Koszalka, G.W. *et al.*, *Antiviral Res.*, 1996, **30**, A43, (*pharmacol*)

Pat. Coop. Treaty (WIPO), 1996, *Wellcome*, 96 01 833; *CA*, **124**, 317788v, (*synth, pharmacol*)

Graul, A. *et al.*, *Drugs of the Future*, 1997, **22**, 707-710, (*rev*)

Zacny, V.L. *et al.*, *J. Virol.*, 1999, **73**, 7271-7277, (*pharmacol*)