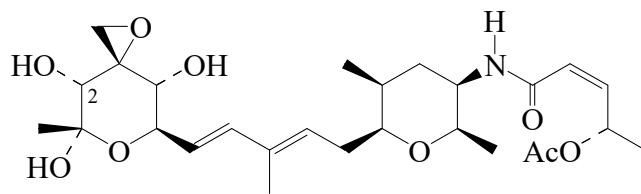




>>Entry Name: Antibiotic FR 901465

Synonym(s): WB 2663C. Antibiotic WB 2663C. FR 901465



CAS Registry Number: 146478-73-1

Molecular Formula: C₂₇H₄₁NO₉

Molecular Weight: 523.622

Accurate Mass: 523.278134

Percentage Composition: C 61.93%; H 7.89%; N 2.67%; O 27.50%

Biological Source: Prod. by *Pseudomonas* sp. No. 2663

Biological Use/Importance: Antitumour agent

Physical Description: Powder

Melting Point: Mp 86-91°

Optical Rotation: $[\alpha]_D^{23} -9$ (c, 0.5 in CH₂Cl₂)

Solubility: BERDY SOL: Sol. Me₂CO, EtOAc, CHCl₃; fairly sol. H₂O; poorly sol. hexane

UV: [neutral] $\lambda_{\max}$ 235 (ϵ 29000) (MeCN) [neutral] $\lambda_{\max}$ 235 (ϵ 29000) (MeCN) (Berdy)

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, ipr) 10 mg/kg

>>Derivative: 2-Deoxy

Synonym(s): WB 2663B. Antibiotic WB 2663B. Antibiotic FR 901464. FR 901464

CAS Registry Number: 146478-72-0

Molecular Formula: C₂₇H₄₁NO₈

Molecular Weight: 507.623

Accurate Mass: 507.283219

Percentage Composition: C 63.89%; H 8.14%; N 2.76%; O 25.21%

Biological Source: From *Pseudomonas* sp. No. 2663

Biological Use/Importance: Antitumour agent

Physical Description: Powder

Melting Point: Mp 65-70°

Optical Rotation: $[\alpha]_D^{23} -12$ (c, 0.5 in CH₂Cl₂)

Solubility: BERDY SOL: Sol. Me₂CO, CHCl₃, EtOAc; fairly sol. H₂O; poorly sol. hexane

UV: [neutral] $\lambda_{\max}$ 235 (ϵ 30500) (MeCN) [neutral] $\lambda_{\max}$ 235 (ϵ 30500) (MeCN) (Berdy)

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, ipr) 10 mg/kg

References:

Nakajima, H. *et al.*, *J. Antibiot.*, 1996, **49**, 1196-1203; 1204-1211; 1997, **50**, 96-99, (*isol, ur, ir, pmr, cmr*)

Thompson, C.F. *et al.*, *J.A.C.S.*, 2000, **122**, 10482-10483, (*FR 901464, synth*)

Horigome, M. *et al.*, *Tet. Lett.*, 2001, **42**, 8207-8210, (*FR 901464, synth*)