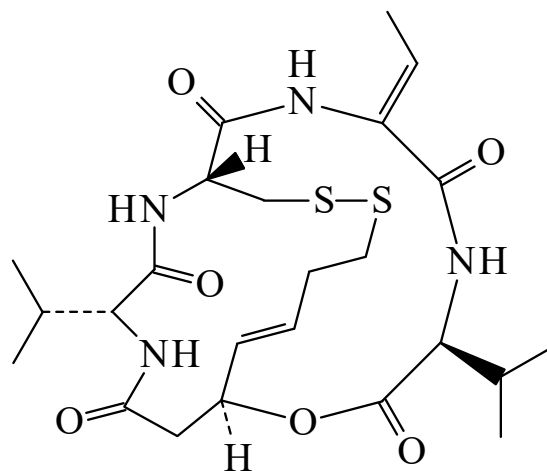




>>Entry Name: Antibiotic FR 901228

Synonym(s): FR 901228. NSC 630176



CAS Registry Number: 128517-07-7

Molecular Formula: C₂₄H₃₆N₄O₆S₂

Molecular Weight: 540.704

Accurate Mass: 540.207626

Percentage Composition: C 53.31%; H 6.71%; N 10.36%; O 17.75%; S 11.86%

General Statement: Bicyclic depsipeptide antibiotic

Biological Source: Prod. by *Chromobacterium violaceum*

Use/Importance: Antitumour agent

Physical Description: Prisms

Melting Point: Mp 235-245 dec.°

Optical Rotation: $[\alpha]_D^{23} +39$ (c, 1 in CHCl₃)

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

UV: [neutral] $\lambda_{\max}$ 0 (end) (ϵ) (MeOH) (Derep)

Hazard & Toxicity: BERDY HAZD : LD₅₀ (mus, ipr) 5.6 mg/kg , LD₅₀ (mus, ivn) 10 mg/kg

References:

Ueda, H. *et al.*, *J. Antibiot.*, 1994, **47**, 301; 311; 315, (*isol, ir, pmr, cmr, props*)

Li, K.W. *et al.*, *J.A.C.S.*, 1996, **118**, 7237, (*synth*)