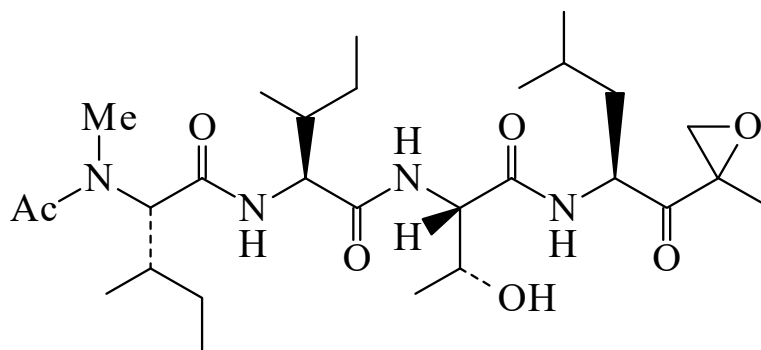




>>Entry Name: Epoxomicin

Synonym(s): BU 4061T. Antibiotic BU 4061T



CAS Registry Number: 134381-21-8

Type of Compound Code(s): VV0300

Molecular Formula: C₂₈H₅₀N₄O₇

Molecular Weight: 554.726

Accurate Mass: 554.367951

Percentage Composition: C 60.63%; H 9.08%; N 10.10%; O 20.19%

General Statement: Tripeptide antibiotic

Biological Source: Prod. by an actinomycete strain No. Q996-17

Use/Importance: Antitumour agent

Physical Description: Powder

Melting Point: Mp 107-109°

Optical Rotation: $[\alpha]_{\text{D}}^{24} -66.1$ (c, 0.5 in MeOH)

Solubility: BERDY SOL: Sol. MeOH, CH₂Cl₂, EtOAc; poorly sol. H₂O

UV: [neutral] λ_{max} 0 (end) (ϵ) (MeOH) (Derep) [neutral] λ_{max} (MeOH) (Berdy)

References:

Hanada, M. *et al.*, *J. Antibiot.*, 1992, **45**, 1746, (*isol, pmr, cmr, struct*)

Sin, N. *et al.*, *Bioorg. Med. Chem. Lett.*, 1999, **9**, 2283-2288, (*synth*)

Groll, M. *et al.*, *J.A.C.S.*, 2000, **122**, 1237-1238, (*cryst struct*)