>>**Entry Name: Maytansinol**
Synonym(s): 3-De[2-(acetylmethylamino)-1-oxopropyloxy]-3-hydroxymaytansine, 9Cl. Ansamitocin P_0. C 15003Po. Antibiotic C 15003Po

CAS Registry Number: 57103-68-1

As Maytansine, BDV06-K with
R = H

Molecular Formula: $C_{28}H_{37}ClN_2O_8$
Molecular Weight: 565.062
Accurate Mass: 564.223845
Percentage Composition: C 59.52%; H 6.60%; Cl 6.27%; N 4.96%; O 22.65%

Biological Source: Constit. of *Putterlickia verrucosa* (Celastraceae)
Use/Importance: Shows pronounced antileukaemic props. No antiprotozoal activity
Melting Point: Mp 173-174.5°
Optical Rotation: $[\alpha]_D^{23}$ –309 (c, 0.11 in $CHCl_3$)

>>**Derivative:** 3-Ac
Synonym(s): Maytanacine. Ansamitocin P1. C 15003P1. Antibiotic C 15003P1. 3-*O*-Acetylmaytansinol

CAS Registry Number: 57103-69-2

Molecular Formula: $C_{30}H_{39}ClN_2O_9$
Molecular Weight: 607.099
Accurate Mass: 606.23441
Percentage Composition: C 59.35%; H 6.47%; Cl 5.84%; N 4.61%; O 23.72%
Biological Source: Constit. of *Putterlickia verrucosa* (Celastraceae) and *Nocardia* spp.
Use/Importance: Active against fungi, tumours, dermophytes and protozoa
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 234-237°
Optical Rotation: $[\alpha]_D$ –121 (c, 0.25 in $CHCl_3$)
UV: [neutral] λ_{max} 233 (ε 30300); 242 (sh) (ε 28000); 252 (ε 27900); 281 (ε 5360); 289 (ε 5360) (EtOH) (Derep)

>>**Derivative:** 3-*O*-Propanoyl
Synonym(s): Ansamitocin P2. 2'-De(acetylmethylamino)maytansine, 9Cl. C 15003P2. Antibiotic C 15003P2

CAS Registry Number: 57103-70-5

Molecular Formula: $C_{31}H_{41}ClN_2O_9$
Molecular Weight: 621.126
Accurate Mass: 620.25006
Percentage Composition: C 59.95%; H 6.65%; Cl 5.71%; N 4.51%; O 23.18%
Biological Source: From *Nocardia* sp.
Use/Importance: Active against fungi and tumours
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 188-190 dec.°
Optical Rotation: $[\alpha]_D$ –127 (c, 0.35 in $CHCl_3$)
Solubility: BERDY SOL: Sol. MeOH, DMSO, EtOAc, THF, $CHCl_3$; fairly sol. C_6H_6, Et_2O; poorly sol. H_2O, hexane
UV: [neutral] λ_{max} 233 (ε 30300); 242 (sh) (ε 28000); 252 (ε 27900); 281 (ε 5360); 289 (ε 5360) (EtOH) (Derep) [neutral] λ_{max} 233 (ε 30240); 252 (ε 27650); 280 (ε 5740); 288 (ε 5710) (MeOH) (Berdy)

>>**Derivative:** 3-*O*-Butanoyl
Synonym(s): Ansamitocin P3'. C 15003P3'. Antibiotic C 15003P3'

CAS Registry Number: 66547-09-9