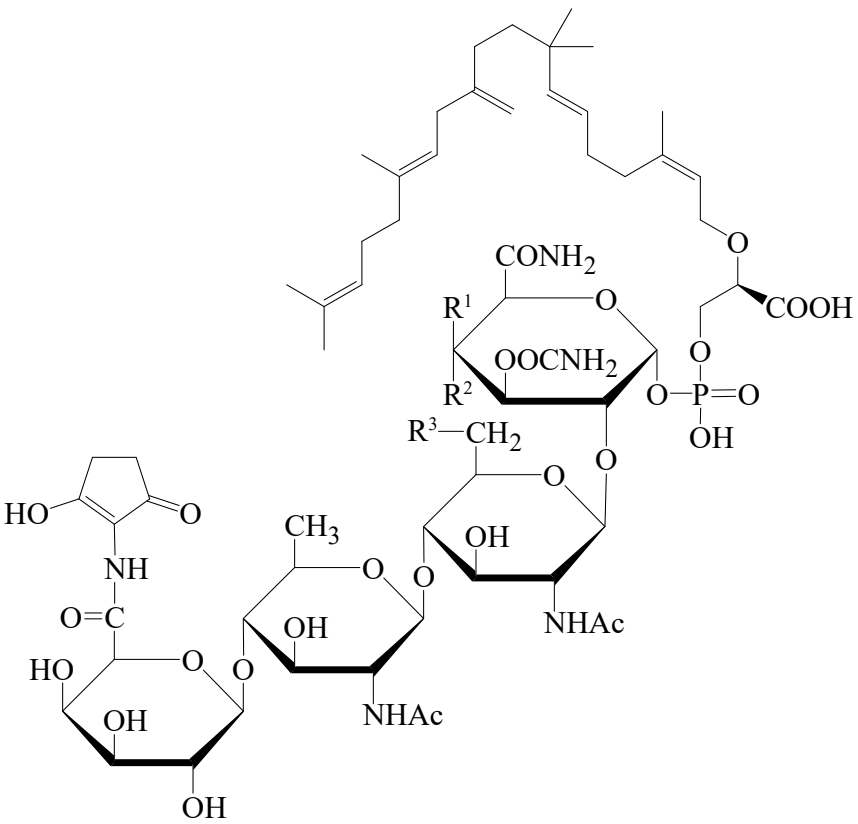
>>**Entry Name: Moenomycin**

Synonym(s): Bambermycin, BAN. Flavofosfolipol. Flavomycin. Flavophospholipol



Moenomycin A, $R^1 = CH_3$, $R^2 = OH$, $R^3 = OGlc$
A_{12}, $R^1 = OH$, $R^2 = H$, $R^3 = OGlc$
C_1, $R^1 = OH$, $R^2 = R^3 = H$
C_3, $R^1 = CH_3$, $R^2 = OH$, $R^3 = H$
C_4, $R^1 = CH_3$, $R^2 = R^3 = OH$

Related CAS Registry Numbers(s): 11015-37-5

Bambermycin consists of a purified mixt. of Moenomycins A and C
Biological Source: Prod. by *Streptomyces bambergensis*
Use/Importance: Antibiotic used in animal nutrition

>>**Variant: Moenomycin A**

CAS Registry Number: 76095-39-1

Molecular Formula: $C_{69}H_{108}N_5O_{34}P$
Molecular Weight: 1582.599
Accurate Mass: 1581.661342
Percentage Composition: C 52.37%; H 6.88%; N 4.43%; O 34.37%; P 1.96%
Melting Point: Mp 184-185°
UV: [acid] λ_{max} 246 (ε 12300) (0.1*N* HCl) (Derep) [base] λ_{max} 258 (ε 16700) (H_2O at pH 12) (Derep) [neutral] λ_{max} 258 (ε 16700) (H_2O pH 7) (Derep)

>>**Derivative:** Na salt

Optical Rotation: $[\alpha]_D^{23}$+4 (c, 1 in H_2O)

>>**Variant: Moenomycin A_{12}**

CAS Registry Number: 162895-32-1

Molecular Formula: $C_{68}H_{106}N_5O_{34}P$
Molecular Weight: 1568.572
Accurate Mass: 1567.645692
Percentage Composition: C 52.07%; H 6.81%; N 4.46%; O 34.68%; P 1.97%
Solubility: BERDY SOL: Sol. MeOH
UV: [neutral] λ_{max} 258 () (MeOH) (Berdy)

>>**Variant: Moenomycin C_1**

https://www.baizuoyan.com - CopyRight ©baizuoyan