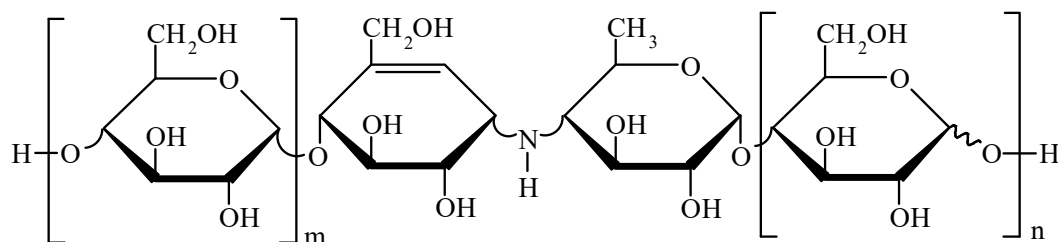




>>Entry Name: Amylostatin



Amylostatin XG, m = 0, n = 1

Amylostatin J, m = 2, n = 0

Amylostatin K, m = n = 1

Amylostatin L, m = 0, n = 3

Amylostatin M, m = 1, n = 2

Amylostatin N, m = 1, n = 3

CAS Registry Number: 79305-08-1

Related CAS Registry Numbers(s): 83682-81-9

General Statement: Aminoglycoside antibiotic complex. Structs. of several components not determined. The most important antibiotic ids Amylostatin J; see Acarbose [CBX17-V](#)

Biological Source: Isol. from *Streptomyces diastaticus* ssp. *amylostaticus*

Use/Importance: Amylase inhibitors

>>Variant: Amylostatin XG

CAS Registry Number: 68128-53-0

Molecular Formula: C₁₉H₃₃NO₁₃

Molecular Weight: 483.469

Accurate Mass: 483.195194

Percentage Composition: C 47.20%; H 6.88%; N 2.90%; O 43.02%

Physical Description: Powder

>>Variant: Amylostatin K

CAS Registry Number: 82642-64-6

Molecular Formula: C₂₅H₄₃NO₁₈

Molecular Weight: 645.611

Accurate Mass: 645.248019

Percentage Composition: C 46.51%; H 6.71%; N 2.17%; O 44.61%

Physical Description: Powder

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

UV: [neutral] λ_{max} (H₂O) (Berdy)

Other Data: No def. Mp

>>Variant: Amylostatin L

CAS Registry Number: 82642-66-8

Molecular Formula: C₃₁H₅₃NO₂₃

Molecular Weight: 807.753

Accurate Mass: 807.300844

Percentage Composition: C 46.10%; H 6.61%; N 1.73%; O 45.56%

Physical Description: Powder

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

UV: [neutral] λ_{max} (H₂O) (Berdy)

Other Data: No def. Mp