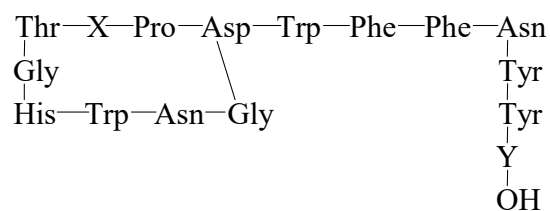




>>Entry Name: Antibiotic RES 701

Synonym(s): RES 701



RES 701-1, X = Ala, Y = Trp

701-2, X = Ala, Y = 7-HydroxyTrp

701-3, X = Ser, Y = Trp

701-4, X = Ser, Y = 7-HydroxyTrp

General Statement: Cyclic peptide antibiotic

Biological Source: Prod. by *Streptomyces* sp. RE-701 and *Streptomyces* sp. RE-896

Use/Importance: Endothelin type B receptor antagonist

Physical Description: Powder

UV: [neutral] $\lambda_{\max}$ 221 (); 280 () (MeOH)

>>Variant: Antibiotic RES 701-1

Synonym(s): RES 701-1

CAS Registry Number: 151308-34-8

Molecular Formula: C₁₀₃H₁₁₅N₂₃O₂₃

Molecular Weight: 2043.182

Accurate Mass: 2041.853622

Percentage Composition: C 60.55%; H 5.67%; N 15.77%; O 18.01%

Solubility: BERDY SOL: Sol. MeOH, MeCN, DMSO; poorly sol. CHCl₃, Me₂CO, H₂O

UV: [neutral] $\lambda_{\max}$ 221 (ϵ); 280 (ϵ) (MeOH) (Derep) [base] $\lambda_{\max}$ (solvent not reported) (Derep) [neutral] $\lambda_{\max}$ 221 (); 280 () (MeOH) (Berdy)

Sigma: C2585

>>Variant: Antibiotic RES 701-2

Synonym(s): RES 701-2

CAS Registry Number: 171927-41-6

Molecular Formula: C₁₀₃H₁₁₅N₂₃O₂₄

Molecular Weight: 2059.181

Accurate Mass: 2057.848537

Percentage Composition: C 60.08%; H 5.63%; N 15.64%; O 18.65%

Solubility: BERDY SOL: Sol. MeOH, MeCN, DMSO; poorly sol. CHCl₃, H₂O, Me₂CO

UV: [neutral] $\lambda_{\max}$ 221 (); 280 () (MeOH) (Berdy)

>>Variant: Antibiotic RES 701-3

Synonym(s): RES 701-3

CAS Registry Number: 151309-36-3

Molecular Formula: C₁₀₃H₁₁₅N₂₃O₂₄

Molecular Weight: 2059.181

Accurate Mass: 2057.848537

Percentage Composition: C 60.08%; H 5.63%; N 15.64%; O 18.65%

Solubility: BERDY SOL: Sol. MeOH, DMSO, MeCN; poorly sol. CHCl₃, Me₂CO, H₂O

UV: [neutral] $\lambda_{\max}$ 222 (); 280 () (MeOH) (Berdy)