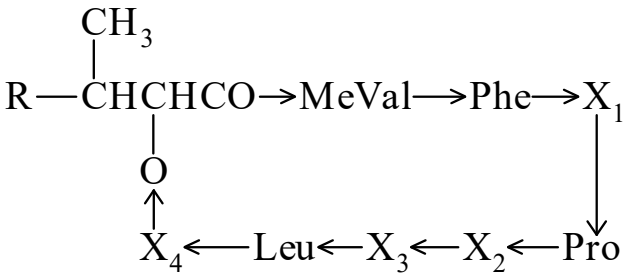




>>Entry Name: Aureobasidin A→I



		R	X ₁	X ₂	X ₃	X ₄
Aureobasidin A	Et		MePhe	<i>allo</i> -Leu	MeVal	<i>b</i> OHMeVal
Aureobasidin B	Me		MePhe	<i>allo</i> -Leu	MeVal	<i>b</i> OHMeVal
Aureobasidin C	Et		MePhe	Val	MeVal	<i>b</i> OHMeVal
Aureobasidin D	Et		MePhe	<i>allo</i> -Leu	MeVal	<i>g</i> OHMeVal
Aureobasidin E	Et	<i>b</i> OH	MePhe	<i>allo</i> -Leu	MeVal	<i>b</i> OHMeVal
Aureobasidin F	Et		MePhe	<i>allo</i> -Leu	Val	<i>b</i> OHMeVal
Aureobasidin G	Et		MePhe	<i>allo</i> -Leu	MeVal	MeVal
Aureobasidin H	Et		MePhe	<i>allo</i> -Leu	MeVal	Val
ureobasidin I	Et		MePhe	Leu	MeVal	<i>b</i> OHMeVal

Related CAS Registry Numbers(s): 158412-72-7

General Statement: Depsipeptide antibiotics

Biological Source: Prod. by *Aureobasidium pullulans*

Use/Importance: Antifungal agents

UV: [neutral] λ_{max} 258 (ε 3850); 264 (ε 2660) (MeOH) (Derep)

>>Variant: Aureobasidin A

Synonym(s): Basifungin, INN, USAN

CAS Registry Number: 127785-64-2

Molecular Formula: C₆₀H₉₂N₈O₁₁

Molecular Weight: 1101.434

Accurate Mass: 1100.688557

Percentage Composition: C 65.43%; H 8.42%; N 10.17%; O 15.98%

Use/Importance: Antifungal agent

Physical Description: Rods

Optical Rotation: [α]_D²⁰ −254.3 (c, 1 in MeOH)

Solubility: BERDY SOL: Sol. CHCl₃, DMF, MeOH, DMSO, EtOH; poorly sol. H₂O

UV: [neutral] λ_{max} 205 (); 258 (ε 3850); 264 (ε 2660) (MeOH) (Berdy)

>>Variant: Aureobasidin B

CAS Registry Number: 127939-17-7

Molecular Formula: C₅₉H₉₀N₈O₁₁

Molecular Weight: 1087.407

Accurate Mass: 1086.672907

Percentage Composition: C 65.17%; H 8.34%; N 10.30%; O 16.18%

Optical Rotation: [α]_D²⁰ −222.3 (c, 1 in MeOH)

Solubility: BERDY SOL: Sol. CHCl₃, MeOH, EtOH, DMF, DMSO; poorly sol. H₂O

UV: [neutral] λ_{max} 205 (); 258 (); 264 () (MeOH) (Berdy)

>>Variant: Aureobasidin C

CAS Registry Number: 127785-65-3

Molecular Formula: C₅₉H₉₀N₈O₁₁

Molecular Weight: 1087.407

Accurate Mass: 1086.672907

Percentage Composition: C 65.17%; H 8.34%; N 10.30%; O 16.18%