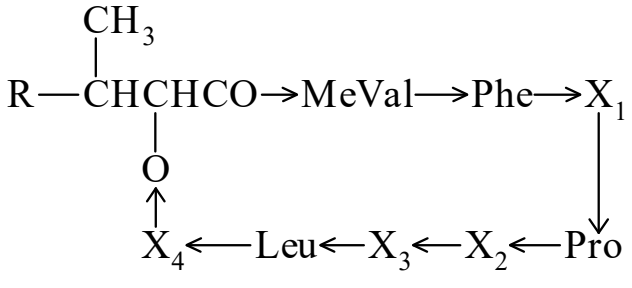
>>**Entry Name: Aureobasidin A→I**



	R	X1	X2	X3	X4
Aureobasidin A	Et	MePhe	*allo*-Leu	MeVal	*b*OHMeVal
Aureobasidin B	Me	MePhe	*allo*-Leu	MeVal	*b*OHMeVal
Aureobasidin C	Et	MePhe	Val	MeVal	*b*OHMeVal
Aureobasidin D	Et	MePhe	*allo*-Leu	MeVal	*g*OHMeVal
Aureobasidin E	Et *b*OH	MePhe	*allo*-Leu	MeVal	*b*OHMeVal
Aureobasidin F	Et	MePhe	*allo*-Leu	Val	*b*OHMeVal
Aureobasidin G	Et	MePhe	*allo*-Leu	MeVal	MeVal
Aureobasidin H	Et	MePhe	*allo*-Leu	MeVal	Val
ureobasidin I	Et	MePhe	Leu	MeVal	*b*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: $C_{60}H_{92}N_8O_{11}$
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: $[\alpha]_D^{20}$ –254.3 (c, 1 in MeOH)
Solubility: BERDY SOL: Sol. $CHCl_3$, DMF, MeOH, DMSO, EtOH; poorly sol. H_2O
UV: [neutral] λ_{max} 205 (); 258 (ε 3850); 264 (ε 2660) (MeOH) (Berdy)

>>**Variant: Aureobasidin B**

CAS Registry Number: 127939-17-7

Molecular Formula: $C_{59}H_{90}N_8O_{11}$
Molecular Weight: 1087.407
Accurate Mass: 1086.672907
Percentage Composition: C 65.17%; H 8.34%; N 10.30%; O 16.18%
Optical Rotation: $[\alpha]_D^{20}$ –222.3 (c, 1 in MeOH)
Solubility: BERDY SOL: Sol. $CHCl_3$, MeOH, EtOH, DMF, DMSO; poorly sol. H_2O
UV: [neutral] λ_{max} 205 (); 258 (); 264 () (MeOH) (Berdy)

>>**Variant: Aureobasidin C**

CAS Registry Number: 127785-65-3

Molecular Formula: $C_{59}H_{90}N_8O_{11}$
Molecular Weight: 1087.407
Accurate Mass: 1086.672907
Percentage Composition: C 65.17%; H 8.34%; N 10.30%; O 16.18%

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