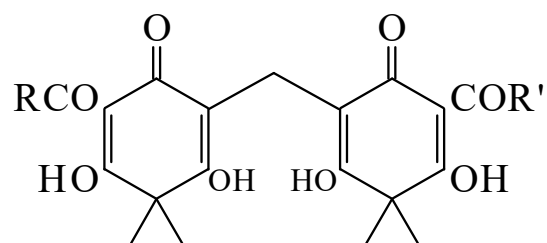




>>Entry Name: Albaspidins



Albaspidin	AA, R = R' = CH ₃
	AP, R = CH ₃ , R' = CH ₂ CH ₃
	AB, R = CH ₃ , R' = CH ₂ CH ₂ CH ₃
	PP, R = R' = CH ₂ CH ₃
	PB, R = CH ₂ CH ₃ , R' = CH ₂ CH ₂ CH ₃
	BB, R = R' = CH ₂ CH ₂ CH ₃
	iBiB, R = R' = CH(CH ₃) ₂

General Statement: The suffix letters denote the side-chains (A = acetyl, P = propionyl, B = butyryl, iB = isobutyryl)

Biological Source: Constits. of *Dryopteris* and *Aspidium* spp. ferns

Physical Description: Cryst. (hexane)

Melting Point: Mp 170-171° (164-166°)

Other Data: Albaspidin 1 was a mixt. of BB, PB and PP. Albaspidin 2 was a mixt. of AB and AP. The various albaspidins disproportionate under mildly alkaline conds.

>>Variant: Albaspidin AA

Synonym(s): 2,2'-Methylenebis[6-acetyl-3,5-dihydroxy-4,4-dimethyl-2,5-cyclohexadien-1-one], 9Cl. Albaspidin 3

CAS Registry Number: 3570-40-9

Molecular Formula: C₂₁H₂₄O₈

Molecular Weight: 404.416

Accurate Mass: 404.14712

Percentage Composition: C 62.37%; H 5.98%; O 31.65%

Source/Synthesis: Also from *Hypericum drummondii*

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 170-171°

UV: [neutral] λ_{max} 294 (ε 50000); 336 (ε 40000); 339 (ε 62500) (EtOH) (Berdy)

>>Variant: Albaspidin AP

CAS Registry Number: 59092-91-0

Molecular Formula: C₂₂H₂₆O₈

Molecular Weight: 418.443

Accurate Mass: 418.16277

Percentage Composition: C 63.15%; H 6.26%; O 30.59%

>>Variant: Albaspidin AB

CAS Registry Number: 3570-35-2

Molecular Formula: C₂₃H₂₈O₈

Molecular Weight: 432.469

Accurate Mass: 432.17842

Percentage Composition: C 63.88%; H 6.53%; O 29.60%

>>Variant: Albaspidin PP

CAS Registry Number: 3570-39-6

Molecular Formula: C₂₃H₂₈O₈

Molecular Weight: 432.469

Accurate Mass: 432.17842

Percentage Composition: C 63.88%; H 6.53%; O 29.60%

Melting Point: Mp 135-137°

UV: [neutral] λ_{max} 264 (ε 40000); 294 (ε 32000); 344 (ε 25000) (EtOH) (Berdy)