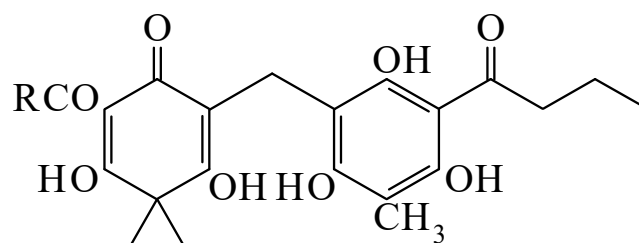




>>Entry Name: Flavaspidic acids



Flavaspidic acid AB, R = CH₃
PB, R = CH₂CH₃
BB, R = CH₂CH₂CH₃

General Statement: The suffixes refer to the acyl substituents (A=acetyl, P=propionyl, B=butyryl)

Biological Source: Isol. from ferns, esp. *Dryopteris* spp.

>>Variant: Flavaspidic acid AB

Synonym(s): Acetylflavaspidic acid

CAS Registry Number: 3761-64-6

Molecular Formula: C₂₂H₂₆O₈

Molecular Weight: 418.443

Accurate Mass: 418.16277

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

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 210-212° (206-208°)

>>Variant: Flavaspidic acid PB

CAS Registry Number: 3773-25-9

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 170-171°

>>Derivative: Di-Ac

Molecular Formula: C₂₈H₃₄O₁₀

Molecular Weight: 530.571

Percentage Composition: C 63.39%; H 6.46%; O 30.16%

Melting Point: Mp 142-143°

>>Variant: Flavaspidic acid BB

Synonym(s): Flavaspidic acid. Polystichocitrin. Toxifren

CAS Registry Number: 114-42-1

Molecular Formula: C₂₄H₃₀O₈

Molecular Weight: 446.496

Accurate Mass: 446.19407

Percentage Composition: C 64.56%; H 6.77%; O 28.67%

Physical Description: Yellow or colourless cryst.

Melting Point: Mp 92°. Mp 156° (double Mp)

Other Data: The two forms are considered to be tautomers which interconvert on heating

>>Derivative: Di-Ac

Melting Point: Mp 142-143°

References: