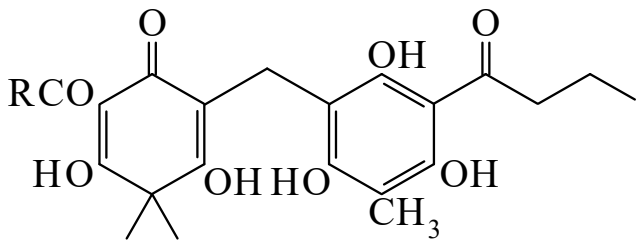
>>**Entry Name: Flavaspidic acids**



Flavaspidic acid AB, R = CH_3
PB, R = CH_2CH_3
BB, R = $CH_2CH_2CH_3$

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: $C_{22}H_{26}O_8$
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: $C_{23}H_{28}O_8$
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: $C_{28}H_{34}O_{10}$
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: $C_{24}H_{30}O_8$
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: