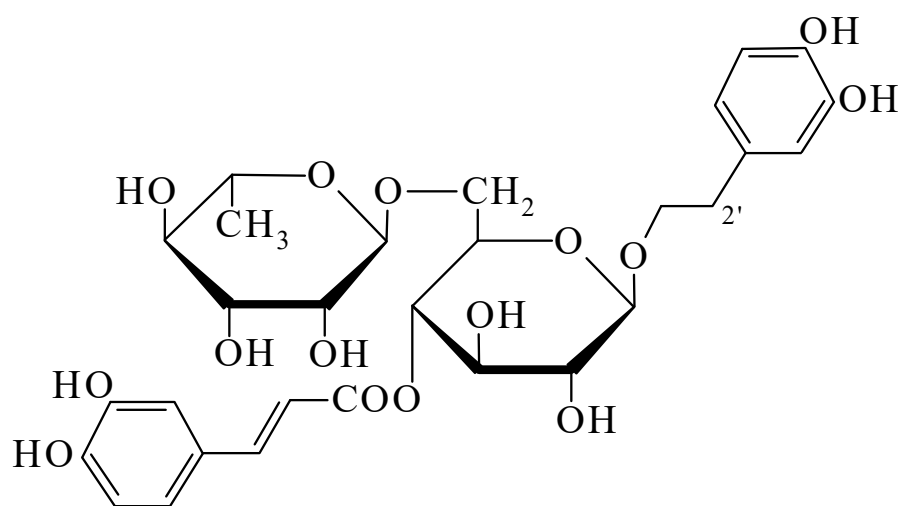




>>Entry Name: Forsythiaside

Synonym(s): Forsythoside A



CAS Registry Number: 79916-77-1

Molecular Formula: $C_{29}H_{36}O_{15}$

Molecular Weight: 624.594

Accurate Mass: 624.205425

Percentage Composition: C 55.77%; H 5.81%; O 38.42%

Biological Source: Isol. from fruits of *Forsythia suspensa*

Use/Importance: Shows antibacterial props.

Physical Description: Pale-yellowish powder + 2H₂O

Melting Point: Mp 144-150°

Optical Rotation: $[\alpha]_D^{20} -18.6$ (EtOH)

>>Derivative: 2'-Hydroxy

Synonym(s): Suspensaside. Forsythoside C

CAS Registry Number: 84213-44-5

Molecular Formula: $C_{29}H_{36}O_{16}$

Molecular Weight: 640.594

Accurate Mass: 640.20034

Percentage Composition: C 54.37%; H 5.66%; O 39.96%

Biological Source: Isol. from fruits of *Forsythia suspensa*

Use/Importance: Shows antibacterial props.

Physical Description: Powder

Melting Point: Mp 177-181°

Optical Rotation: $[\alpha]_D^{18} -18.7$ (c, 1.7 in MeOH)

References:

Nishibe, S. *et al.*, *Chem. Pharm. Bull.*, 1982, **30**, 1048; 4549