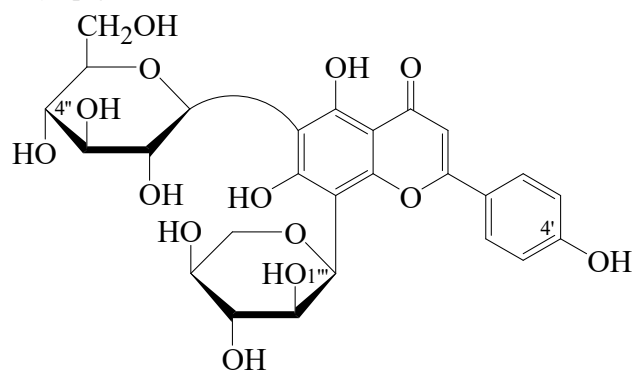




>>Entry Name: Schaftoside

Synonym(s): 8- α -L-Arabinopyranosyl-6- β -D-glucopyranosylapigenin



CAS Registry Number: 51938-32-0

Molecular Formula: C₂₆H₂₈O₁₄

Molecular Weight: 564.499

Accurate Mass: 564.14791

Percentage Composition: C 55.32%; H 5.00%; O 39.68%

Biological Source: Constit. of *Silene schafta*, also present in many other plants

Physical Description: Yellow needles

Melting Point: Mp 226°

Optical Rotation: $[\alpha]_D^{23} +63.7$ (Py)

Other Data: Incorrectly descr. as a mono-*O*-glycoside in the English summary of the Chopin paper

>>Derivative: 4'-*O*- β -D-Glucopyranoside

Synonym(s): Schaftoside 4'-glucoside

CAS Registry Number: 151922-20-2

Molecular Formula: C₃₂H₃₈O₁₉

Molecular Weight: 726.641

Accurate Mass: 726.200735

Percentage Composition: C 52.89%; H 5.27%; O 41.83%

Biological Source: Constit. of *Ceratonia siliqua*

>>Derivative: 6''-*O*- β -D-Glucopyranosyl

Synonym(s): 8-Arabinosyl-6-gentiobiosylapigenin

CAS Registry Number: 94530-41-3

Molecular Formula: C₃₂H₃₈O₁₉

Molecular Weight: 726.641

Accurate Mass: 726.200735

Percentage Composition: C 52.89%; H 5.27%; O 41.83%

Biological Source: Isol. from *Stellaria holostea*

Other Data: A *C*-gentiobioside

>>Derivative: 1'''-Epimer

Synonym(s): Neoschaftoside. Isoschaftoside. 8- β -L-Arabinopyranosyl-6- β -D-glucopyranosylapigenin

CAS Registry Number: 61328-41-4

Molecular Formula: C₂₆H₂₈O₁₄

Molecular Weight: 564.499

Accurate Mass: 564.14791

Percentage Composition: C 55.32%; H 5.00%; O 39.68%

Biological Source: Isol. from *Fluorensia cernua*, *Crataegus* spp. and other plants