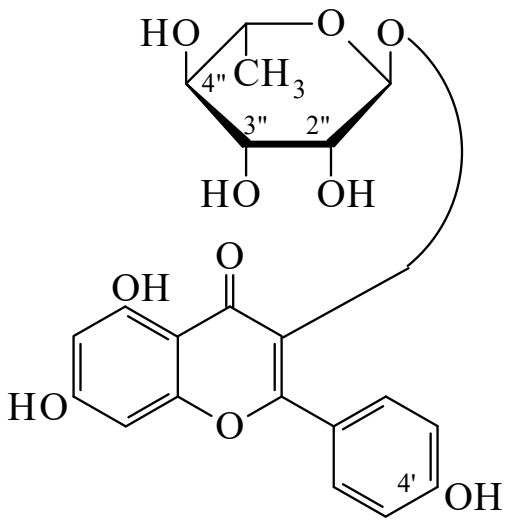
>>**Entry Name: Afzelin**

Synonym(s): 3-*O*-α-L-Rhamnopyranosyloxy-4',5,7-trihydroxyflavone. Kaempferol 3-α-L-rhamnoside. Afzeloside. Kaempferin



CAS Registry Number: 482-39-3

Molecular Formula: $C_{21}H_{20}O_{10}$
Molecular Weight: 432.383
Accurate Mass: 432.10565
Percentage Composition: C 58.34%; H 4.66%; O 37.00%
Biological Source: Isol. from *Afzelia* sp. heartwood and many other plant spp.
Physical Description: Yellow prisms + 1½H_2O (EtOH aq.)
Melting Point: Mp 172-174°

>>**Derivative:** *O*"-Sulfate

CAS Registry Number: 62794-01-8

Molecular Formula: $C_{21}H_{20}O_{13}S$
Molecular Weight: 512.447
Accurate Mass: 512.062465
Percentage Composition: C 49.22%; H 3.93%; O 40.59%; S 6.26%
Biological Source: Isol. from *Davidsonia pruriens*

>>**Derivative:** 7-*O*-α-L-Arabinopyranoside

CAS Registry Number: 71801-95-1

Molecular Formula: $C_{26}H_{28}O_{14}$
Molecular Weight: 564.499
Accurate Mass: 564.14791
Percentage Composition: C 55.32%; H 5.00%; O 39.68%
Biological Source: Isol. from *Asplenium trichomanes*

>>**Derivative:** 7-*O*-α-L-Rhamnopyranoside
Synonym(s): Kaempferitrin. Kaempferol 3,7-dirhamnoside. Lespedin

CAS Registry Number: 482-38-2

Molecular Formula: $C_{27}H_{30}O_{14}$
Molecular Weight: 578.526
Accurate Mass: 578.16356
Percentage Composition: C 56.06%; H 5.23%; O 38.72%
Biological Source: Isol. from *Indigofera arrecta, Lespedeza cyrtobotrya* and many other plant spp.
Physical Description: Needles + 4H_2O
Melting Point: Mp 202-203° (185-186°)