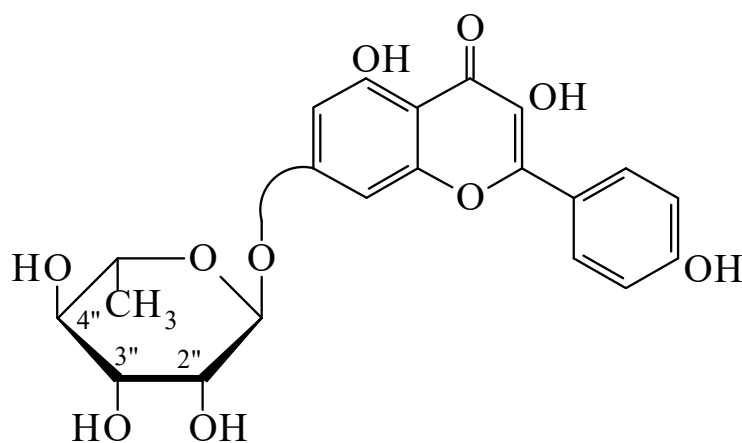




>>Entry Name: α -Rhamnoisorobin

ENTRY UNDER REVIEW

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



CAS Registry Number: 20196-89-8

Related CAS Registry Numbers(s): 66767-76-8 81992-85-0

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 numerous plant spp.

Physical Description: Light yellow needles + $1H_2O$

Melting Point: Mp 221-223°

>>Derivative: 3-*O*- α -L-Arabinofuranoside

CAS Registry Number: 89946-00-9

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 *Cinnamomum sieboldii* and *Woodsia polysticoides*

Physical Description: Pale yellow needles

Melting Point: Mp 179-185°

Optical Rotation: $[\alpha]_D^{23} -172$ (c, 0.44 in Py)

>>Derivative: 3-*O*-(3-*O*-Acetyl- α -L-arabinofuranoside)

CAS Registry Number: 90332-30-2

Molecular Formula: $C_{28}H_{30}O_{15}$

Molecular Weight: 606.536

Accurate Mass: 606.158475

Percentage Composition: C 55.45%; H 4.99%; O 39.57%

Biological Source: Isol. from *Woodsia polysticoides*

>>Derivative: 3-*O*- α -L-Arabinopyranoside

CAS Registry Number: 71801-96-2

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*