Percentage Composition: C 60.00%; H 4.83%; O 35.17%
Biological Source: Constit. of the fruit of *Rhamnus prinoides*
Physical Description: Orange-red solid
Melting Point: Mp 230-232°
Optical Rotation: $[\alpha]_D^{21}$ –84 (c, 0.1 in $CHCl_3$)

>>**Derivative:** 1-*O*-β-D-Glucopyranoside
Synonym(s): Emodin 8-glucoside

CAS Registry Number: 23313-21-5

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: Constit. of *Rhamnus frangula*, *Frangula alna*, *Polygonium* spp. and other plant spp. Component of Da Huang
Physical Description: Cryst.
Melting Point: Mp 193°

>>**Derivative:** 1-*O*-β-D-Glucopyranoside, 3-*O*-α-L-rhamnopyranoside
Synonym(s): Glucofrangulin A

CAS Registry Number: 21133-53-9

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 *Rhamnus frangula*

>>**Derivative:** 1-*O*-β-D-Glucopyranoside, 3-*O*-[2,3-di-*O*-acetyl-α-L-rhamnopyranoside]

CAS Registry Number: 214038-50-3

Molecular Formula: $C_{31}H_{34}O_{16}$
Molecular Weight: 662.6
Accurate Mass: 662.18469
Percentage Composition: C 56.19%; H 5.17%; O 38.63%
Biological Source: Constit. of the fruit of *Rhamnus prinoides*

>>**Derivative:** 3-*O*-β-D-Glucopyranoside
Synonym(s): Glucoemodin

CAS Registry Number: 34298-85-6

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 rhubarb
Melting Point: Mp 176-178°

>>**Derivative:** 8-*O*-β-D-Glucopyranoside
Synonym(s): Emodin 1-glucoside

CAS Registry Number: 38840-23-2

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 *Dermocybe sanguinea*
Physical Description: Orange needles (EtOH)
Melting Point: Mp 210-211°
UV: [neutral] λ_{max} 252 (); 270 (); 433 () (MeOH) (Berdy)