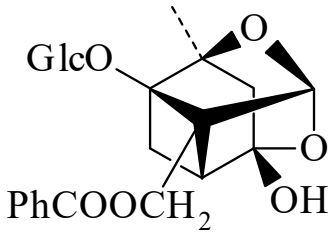
>>**Entry Name: Paeoniflorin**
Synonym(s): Peoniflorin



CAS Registry Number: 23180-57-6

Molecular Formula: $C_{23}H_{28}O_{11}$
Molecular Weight: 480.468
Accurate Mass: 480.163165
Percentage Composition: C 57.50%; H 5.87%; O 36.63%
Biological Source: Constit. of *Paeonia albiflora*. Also from *Paeonia japonica, Paeonia suffruticosa* and *Paeonia officinalis*
Biological Use/Importance: Antiinflammatory, antispasmodic agent. Antihypertensive agent. Possesses antidiuretic props.
Physical Description: Amorph.
Optical Rotation: $[\alpha]_D^{16}$ –12.8 (c, 4.6 in MeOH)
Calculated Log P Data: Log P –2.88 (uncertain value) (calc)
UV: [neutral] λ_{max} 231 (ε 11200); 267 (sh) (ε 1410); 274 (ε 1450); 281 (ε 1200) (EtOH) (Derep)

>>**Derivative:** Penta-Ac

Molecular Formula: $C_{33}H_{38}O_{16}$
Molecular Weight: 690.654
Accurate Mass: 690.21599
Percentage Composition: C 57.39%; H 5.55%; O 37.06%
Physical Description: Cryst.
Melting Point: Mp 158°
Optical Rotation: $[\alpha]_D^{20}$ +13.5 (c, 4.1 in MeOH)

>>**Derivative:** 6'-*O*-Benzoyl
Synonym(s): Benzoylpaeoniflorin

CAS Registry Number: 38642-49-8

Molecular Formula: $C_{30}H_{32}O_{12}$
Molecular Weight: 584.576
Accurate Mass: 584.18938
Percentage Composition: C 61.64%; H 5.52%; O 32.84%
Biological Source: Constit. of *Paeonia suffruticosa*
UV: [neutral] λ_{max} 230 (ε 24000); 267 (sh) (ε 1510); 274 (ε 1820); 281 (ε 1480) (EtOH) (Derep)

>>**Derivative:** 6'-(4-Hydroxybenzoyl)
Synonym(s): Mudanpioside C. Oxybenzoylpaeoniflorin

CAS Registry Number: 172760-03-1

Molecular Formula: $C_{30}H_{32}O_{13}$
Molecular Weight: 600.575
Accurate Mass: 600.184295
Percentage Composition: C 60.00%; H 5.37%; O 34.63%
Biological Source: Constit. of *Paeonia suffruticosa* and *Paeonia lactifolia*
Physical Description: Cryst.
Melting Point: Mp 145-150°
Optical Rotation: $[\alpha]_D$ –24.9 (c, 0.1 in MeOH)
UV: [neutral] λ_{max} 227 (log ε 4.1); 260 (log ε 4) (no solvent reported)