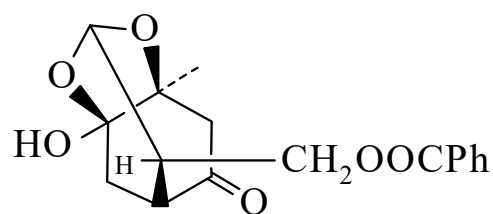




>>Entry Name: Paeoniflorigenone



CAS Registry Number: 80454-42-8

Molecular Formula: C₁₇H₁₈O₆

Molecular Weight: 318.326

Accurate Mass: 318.11034

Percentage Composition: C 64.14%; H 5.70%; O 30.16%

Biological Source: Isol. from root of *Paeonia albiflora*

Physical Description: Viscous oil

Optical Rotation: $[\alpha]_D^{25} +4.3$ (c, 0.69 in MeOH)

UV: [neutral] $\lambda_{\max}$ 220 (ϵ 8710); 258 (sh) (ϵ); 263 (ϵ 794); 270 (ϵ 676) (MeOH) (Derep)

>>Derivative: Me ether

Melting Point: Mp 121-122°

Optical Rotation: $[\alpha]_D^{25} -14$ (c, 1 in MeOH)

>>Derivative: Debenzoyl

Synonym(s): Paeonisuffral

CAS Registry Number: 149420-74-6

Molecular Formula: C₁₀H₁₄O₅

Molecular Weight: 214.218

Accurate Mass: 214.084125

Percentage Composition: C 56.07%; H 6.59%; O 37.34%

Biological Source: Constit. of *Paeonia suffruticosa*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D +39.7$ (c, 0.6 in MeOH)

>>Derivative: Debenzoyl, 7-epimer

Synonym(s): Isopaeonisuffral

CAS Registry Number: 158069-30-8

Molecular Formula: C₁₀H₁₄O₅

Molecular Weight: 214.218

Accurate Mass: 214.084125

Percentage Composition: C 56.07%; H 6.59%; O 37.34%

Biological Source: Constit. of *Paeonia suffruticosa*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D -27.3$ (MeOH)

References:

- Shimizu, M. *et al.*, *Chem. Pharm. Bull.*, 1983, **31**, 577, (*isol, cryst struct, uv, pmr, ms*)
Yoshikawa, M. *et al.*, *Chem. Pharm. Bull.*, 1993, **41**, 630, (*Paeonissuffral*)
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Hata Keyama, S. *et al.*, *Tet. Lett.*, 1994, **35**, 7993, (*synth*)
Richardson, D.P. *et al.*, *Tet. Lett.*, 1997, **38**, 3817-3820, (*synth*)
Yoshikawa, M. *et al.*, *Chem. Pharm. Bull.*, 2000, **48**, 1327-1331, (*pmr, cmr, abs config*)