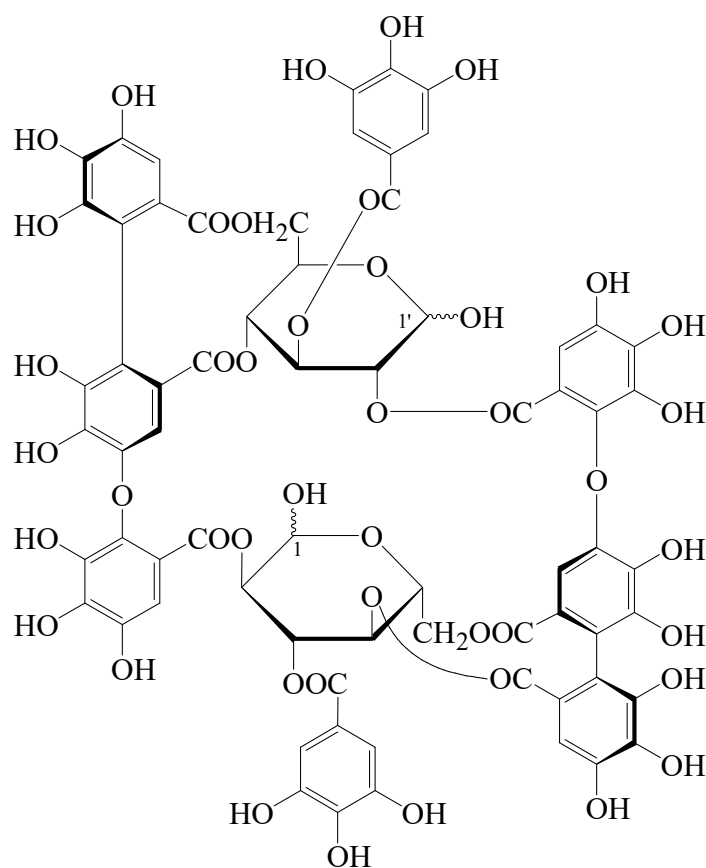




>>Entry Name: Oenothlein B



CAS Registry Number: 104987-36-2

Molecular Formula: $C_{68}H_{48}O_{44}$

Molecular Weight: 1569.101

Accurate Mass: 1568.15186

Percentage Composition: C 52.05%; H 3.08%; O 44.86%

Biological Source: Constit. of *Oenothera erythrosepala*

Use/Importance: Exhibits potent *in vivo* antineoplastic and anti-HIV activities

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D +179$ (c, 1 in MeOH)

UV: [neutral] λ_{max} 208 (ϵ 59000); 218 (ϵ 120000) (MeOH) (Berdy)

>>Derivative: 1-*O*-(3,4,5-Trihydroxybenzoyl)(1 β -)

Synonym(s): Eugeniflorin D₁

CAS Registry Number: 189302-95-2

Molecular Formula: $C_{75}H_{52}O_{48}$

Molecular Weight: 1721.207

Accurate Mass: 1720.16282

Percentage Composition: C 52.34%; H 3.05%; O 44.62%

Biological Source: Constit. of *Eugenia uniflora*

Physical Description: Light-brown powder + 6H₂O

Optical Rotation: $[\alpha]_D +28$ (c, 1 in MeOH)

UV: [neutral] λ_{max} 218 (log ϵ 5.16); 268 (log ϵ 4.8) (MeOH)

References:

- Miyamoto, K. *et al.*, *Chem. Pharm. Bull.*, 1987, **35**, 814, (*pharmacol*)
Hatano, T. *et al.*, *Chem. Pharm. Bull.*, 1989, **37**, 2269, (*struct, pmr*)
Hatano, T. *et al.*, *J.C.S. Perkin 1*, 1990, 2735, (*isol, pmr, cmr*)
Miyamoto, K. *et al.*, *Jpn. J. Cancer Res.*, 1993, **84**, 99, (*pharmacol*)
Lee, M.-H. *et al.*, *Phytochemistry*, 1997, **44**, 1343-1349, (*Eugeniflorin D₁*)
Santos, S.C. *et al.*, *Fitoterapia*, 2001, **72**, 95-97, (*isol, pmr, cmr*)