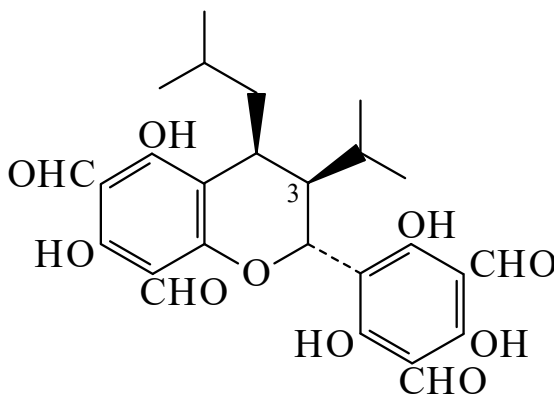




>>Entry Name: Sideroxylonal A



CAS Registry Number: 145382-68-9

Molecular Formula: C₂₆H₂₈O₁₀

Molecular Weight: 500.501

Accurate Mass: 500.16825

Percentage Composition: C 62.39%; H 5.64%; O 31.97%

Biological Source: Constit. of *Eucalyptus sideroxylon*

Physical Description: Amorph. powder

Melting Point: Mp 193-195°

Other Data: Racemate

>>Derivative: 3-Epimer

Synonym(s): Sideroxylonal B

CAS Registry Number: 145416-91-7

Molecular Formula: C₂₆H₂₈O₁₀

Molecular Weight: 500.501

Accurate Mass: 500.16825

Percentage Composition: C 62.39%; H 5.64%; O 31.97%

Biological Source: Constit. of *Eucalyptus sideroxylon*

Physical Description: Amorph. powder

Melting Point: Mp 213-215°

Other Data: Racemate

>>Derivative: 4-Epimer

Synonym(s): Sideroxylonal C

Molecular Formula: C₂₆H₂₈O₁₀

Molecular Weight: 500.501

Accurate Mass: 500.16825

Percentage Composition: C 62.39%; H 5.64%; O 31.97%

Biological Source: Constit. of *Eucalyptus melliodora* and *Eucalyptus albens*

Biological Use/Importance: Inhibits human plasminogen activator inhibitor type 1

Physical Description: Powder

Melting Point: Mp 198-201°

UV: [neutral] λ_{max} 294 (log ε 4.5) (MeOH) [neutral] λ_{max} 280 (ε 6764); 379 (ε 1361) (MeOH)

Other Data: Racemate

References:

Satoh, H. *et al.*, *Chem. Lett.*, 1992, 1917, (*isol, pmr, cmr*)

Eschler, B.M. *et al.*, *Aust. J. Chem.*, 1999, **52**, 157-158, (*Sideroxylonal C*)

Neve, J. *et al.*, *J. Nat. Prod.*, 1999, **62**, 324-326, (*Sideroxylonal C*)

Tatsuta, K. *et al.*, *Tet. Lett.*, 1999, **40**, 1925-1928, (*synth, pmr*)