



Molecular Formula: C₂₀H₂₆O₇
Molecular Weight: 378.421
Accurate Mass: 378.167855
Percentage Composition: C 63.48%; H 6.92%; O 29.60%
Biological Source: Constit. of *Eupatorium mikanioides*
Physical Description: Cryst. (CHCl₃/MeOH)
Melting Point: Mp 170-172°
Optical Rotation: [α]_D +97.8 (c, 0.027 in Py)

>>Derivative: 8-(3*S*-Hydroxy-2-methylenebutanoyl)

CAS Registry Number: 72229-37-9

Molecular Formula: C₂₀H₂₆O₆
Molecular Weight: 362.422
Accurate Mass: 362.17294
Percentage Composition: C 66.28%; H 7.23%; O 26.49%
Biological Source: Constit. of *Eupatorium mikanioides*
Physical Description: Gum
Optical Rotation: [α]_D +80.5 (c, 0.23 in CHCl₃)

>>Derivative: 8-(2,3-Dihydroxy-2-hydroxymethylbutanoyl)

CAS Registry Number: 101470-78-4

Molecular Formula: C₂₀H₂₈O₈
Molecular Weight: 396.436
Accurate Mass: 396.17842
Percentage Composition: C 60.59%; H 7.12%; O 32.29%
Biological Source: Constit. of *Helianthus resinosus*
Melting Point: Mp 166-168°

>>Derivative: 8-(2*S*-Hydroxy-2-hydroxymethyl-3*S*-mercaptobutanoyl)

CAS Registry Number: 72229-36-8

Molecular Formula: C₂₀H₂₈O₇S
Molecular Weight: 412.503
Accurate Mass: 412.155575
Percentage Composition: C 58.23%; H 6.84%; O 27.15%; S 7.77%
Biological Source: Constit. of *Eupatorium mikanioides*
Physical Description: Cryst. (CHCl₃/MeOH)
Melting Point: Mp 180-181°
Optical Rotation: [α]_D +102 (c, 0.02 in Py)

>>Derivative: 8-(2-Hydroxymethyl-2*Z*-butenoyl)

Synonym(s): Deacetylepaserrin

CAS Registry Number: 38456-39-2

Molecular Formula: C₂₀H₂₆O₆
Molecular Weight: 362.422
Accurate Mass: 362.17294
Percentage Composition: C 66.28%; H 7.23%; O 26.49%
Biological Source: Constit. of *Eupatorium mikanioides* and *Eupatorium semiserratum*
Use/Importance: Antineoplastic agent
Physical Description: Cryst. (EtOAc/hexane) (also descr. as unstable amorph. foam)
Melting Point: Mp 132-135°
Optical Rotation: [α]_D²⁵ +75 (c, 0.9 in MeOH)
Calculated Log P Data: Log P 0.48 (calc)
UV: [neutral] $\lambda_{\max}$ 0 (end) (ϵ 23200) (EtOH) (Derep)