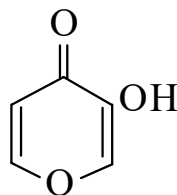




>>Entry Name: 3-Hydroxy-4*H*-pyran-4-one

Synonym(s): 3-Hydroxy- γ -pyrone. **Pyromeconic acid**. Pyrocomenic acid



CAS Registry Number: 496-63-9

Molecular Formula: C₅H₄O₃

Molecular Weight: 112.085

Accurate Mass: 112.016045

Percentage Composition: C 53.58%; H 3.60%; O 42.82%

Biological Source: Isol. from flowers and leaves of *Erigeron annuus*

Physical Description: Needles (EtOH)

Melting Point: Mp 117°

pKa Value: p*K*_{a1} -1.28; p*K*_{a2} 7.99 (25°, I 0.13)

UV: [neutral] $\lambda_{\max}$ 210 (ϵ 22000); 271 (ϵ 16700) (MeOH) (Berdy)

>>Derivative: *O*- β -D-Glucopyranoside

Synonym(s): **Erigeroside**

CAS Registry Number: 59219-76-0

Molecular Formula: C₁₁H₁₄O₈

Molecular Weight: 274.227

Accurate Mass: 274.06887

Percentage Composition: C 48.18%; H 5.15%; O 46.67%

Biological Source: Isol. from *Erigeron* sp.

Physical Description: Needles (EtOH)

Melting Point: Mp 201°

Optical Rotation: [α]_D -112 (c, 1.3 in H₂O)

Solubility: Sol. H₂O

>>Derivative: *O*-[3,4-Dihydroxy-*E*-cinnamoyl-($\rightarrow$ 3)- β -D-glucopyranoside]

Synonym(s): **3'-Caffeoylerigeroside**

CAS Registry Number: 165467-02-7

Molecular Formula: C₂₀H₂₀O₁₁

Molecular Weight: 436.371

Accurate Mass: 436.100565

Percentage Composition: C 55.05%; H 4.62%; O 40.33%

Biological Source: Constit. of the leaves of *Erigeron annuus* (Compositae)

Physical Description: Pale yellow syrup

>>Derivative: *O*-[3,4-Dihydroxy-*E*-cinnamoyl-($\rightarrow$ 6)- β -D-glucopyranoside]

Synonym(s): **Erigeside I**. 6'-Caffeoylerigeroside

CAS Registry Number: 224824-74-2

Molecular Formula: C₂₀H₂₀O₁₁

Molecular Weight: 436.371

Accurate Mass: 436.100565

Percentage Composition: C 55.05%; H 4.62%; O 40.33%

Biological Source: Constit. of *Erigeron breviscapus* and *Erigeron multiradiatus*

Physical Description: Amorph. yellow powder

Melting Point: Mp 154-156° (148-149°)

Other Data: Component of Duo She Fei Peng