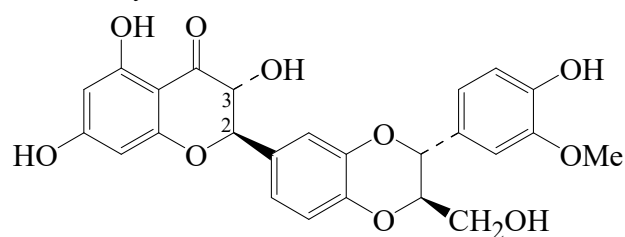




>>Entry Name: Silybin

Synonym(s): Silibinin, INN. Silybum substance E6. Silymarin. Many other names



CAS Registry Number: 22888-70-6

Extra CAS Registry Numbers(s): 87725-91-5 142797-34-0

Molecular Formula: C₂₅H₂₂O₁₀

Molecular Weight: 482.443

Accurate Mass: 482.1213

Percentage Composition: C 62.24%; H 4.60%; O 33.16%

Biological Source: Isol. from *Silybum marianum*

Use/Importance: Drug used for treatment of brain oedema and liver disorders. Hepatoprotective agent, antioxidant

Physical Description: Cryst. + 1H₂O (Me₂CO/petrol)

Melting Point: Mp 167°

Optical Rotation: [α]_D²⁰ +11 (c, 0.25 in Me₂CO)

Other Data: Dec. at 180°

Aldrich: 25492-4

Sigma: S0417

>>Derivative: 2,3-Didehydro

Synonym(s): 2,3-Dehydrosilybin

CAS Registry Number: 25166-14-7

Molecular Formula: C₂₅H₂₀O₁₀

Molecular Weight: 480.427

Accurate Mass: 480.10565

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

Biological Source: Constit. of *Silybum marianum*

Melting Point: Mp 254-255°

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