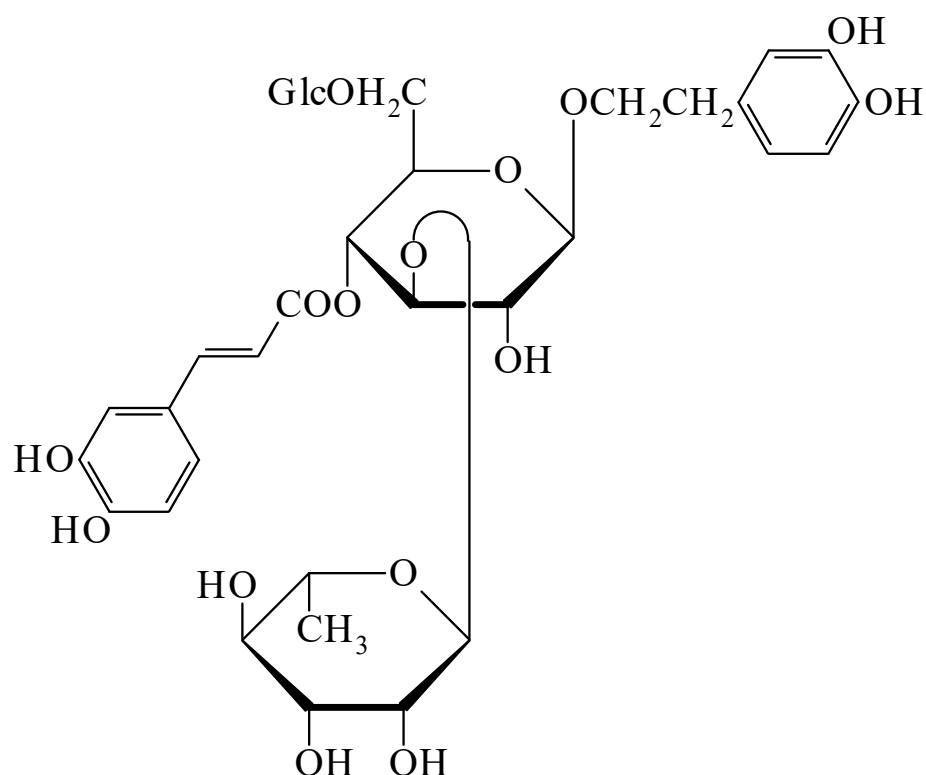




>>Entry Name: Echinacoside



CAS Registry Number: 82854-37-3

Molecular Formula: C₃₅H₄₆O₂₀

Molecular Weight: 786.736

Accurate Mass: 786.25825

Percentage Composition: C 53.43%; H 5.89%; O 40.67%

Source/Synthesis: Isol. from roots of *Echinacea angustifolia* and from *Cistanche salsa*

Physical Description: Needles (EtOH)

Melting Point: Mp 220 starts to melt°

Optical Rotation: [α]_D²⁰ -56.5 (H₂O). [α]_D -74 (MeOH)

Solubility: BERDY SOL: Sol. MeOH, H₂O; fairly sol. EtOH; poorly sol. Me₂CO, hexane

References:

Stoll, A. *et al.*, *Helv. Chim. Acta*, 1950, **33**, 1877, (*isol*)

Becker, H. *et al.*, *Z. Naturforsch., C*, 1982, **37**, 351, (*pmr, cmr, struct*)

Kobayashi, H. *et al.*, *Chem. Pharm. Bull.*, 1984, **32**, 3009, (*isol*)