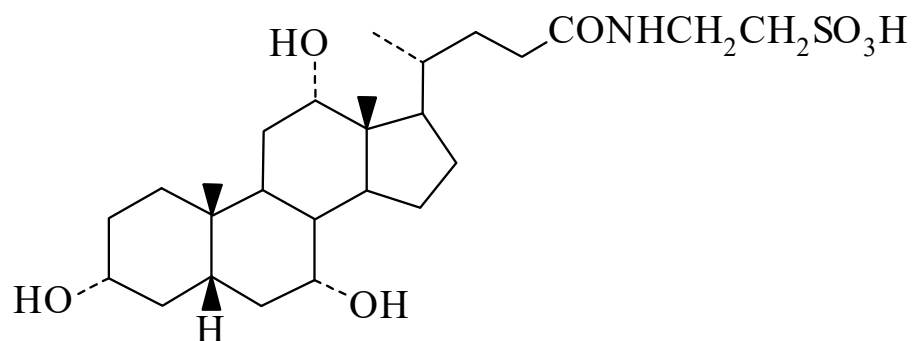




>>Entry Name: Taurocholic acid

ENTRY UNDER REVIEW

Synonym(s): *N*-(3,7,12-Trihydroxycholelan-24-oyl)taurine. Cholytaurine



CAS Registry Number: 81-24-3

Molecular Formula: C₂₆H₄₅NO₇S

Molecular Weight: 515.71

Accurate Mass: 515.291674

Percentage Composition: C 60.55%; H 8.79%; N 2.72%; O 21.72%; S 6.22%

Biological Source: Constit. of bile

Use/Importance: Choleric. Hepatoprotectant

Physical Description: Amorph. powder

Melting Point: Mp 125 dec.°

Optical Rotation: $[\alpha]_D^{20} +38.8$ (EtOH aq.)

pKa Value: pK_a 1.4

Experimental Log P Data: Log P -0.5 (exp)

Calculated Log P Data: Log P 0.88 (uncertain value) (calc)

Other Data: Very hygroscopic

>>Derivative: Na salt

CAS Registry Number: 145-42-6

Use/Importance: Lipase accelerator

Physical Description: Cryst. (EtOH/EtOAc)

Melting Point: Mp 182-184° (anhyd.). Mp 235° (+ 2H₂O)

Fluka: 86339

Rare Chemicals Library: S56142-8

Sigma: T0750

References:

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Shaw, R. *et al.*, *Lipids*, 1978, **13**, 971, (ms)

Lo, Y.H. *et al.*, *Chem. Senses*, 1994, **19**, 371

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