Sodium taurodeoxycholate hydrate

Product Number  T 0875
Store at Room Temperature

Product Description
Molecular Formula:  C_{26}H_{44}NO_{6}SNa (anhydrous)
Molecular Weight:  521.7
CAS Number:  1180-95-6
Melting Point:  168 °C (with decomposition)
Critical Micelle Concentration (CMC):  2-6 mM
Synonyms:  3α,12α-Dihydroxy-5β-cholan-24-oic acid
N-(2-sulfoethyl)amide; 2-([(3α,12α-Dihydroxy-24-oxo-5β-cholan-24-y][amino])ethanesulfonic acid;
N-(Deoxycholyl)taurine sodium salt

Sodium taurodeoxycholate is a hydrophilic, bile salt-related anionic detergent that is used for isolation of membrane proteins, including inner mitochondrial membrane proteins.\(^2\)\(^3\) It is widely investigated in cholesterol and liver studies.\(^4\)

An investigation of the use of sodium taurodeoxycholate in the nonaqueous capillary electrophoresis separation of hydrophobic compounds has been published.\(^5\)

Precautions and Disclaimer
For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions
This product is soluble in water (100 mg/ml), yielding a clear, colorless solution.

References