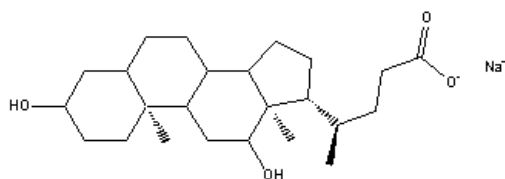


Catalog Number: 102906

Deoxycholate acid sodium salt monohydrate

Structure:



Molecular Formula: C₂₄H₃₉O₄Na · H₂O

Molecular Weight: 432.59

CAS # : 302-95-4

Synonym: 7-deoxycholic acid, sodium salt

Physical Appearance: White powder

Description: An anionic biological detergent.

Critical Micelle Concentration (CMC): 5 mM (Detergents with high CMC values are generally easy to remove by dilution; detergents with low CMC values are advantageous for separations on the basis of molecular weight. As a general rule, detergents should be used at their CMC and at a detergent-to-protein weight ratio of approximately ten.^{1,2})

Aggregation Number: 4-10

Assay: 98.0%

Solubility: Soluble in 2% autoclaved solution (clear), and aqueous solutions (50 mg/ml-colorless to light yellow solution)

References:

1. Womack, M.D., et al., *Biochim. Biophys. Acta*, v. **733**, 210 (1983)
2. Matson, R.S. and Goheen, S.C., *LC-GC*, v. **4(7)**, 624 (1986)