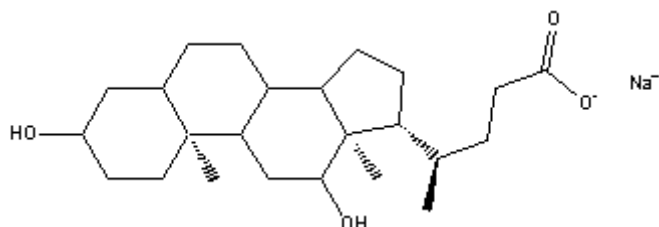


Catalog Number: 102906

## Deoxycholate acid sodium salt monohydrate

Structure:



Molecular Formula:  $C_{24}H_{39}O_4Na \cdot H_2O$

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.<sup>1,2</sup>

**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)