

## Sodium taurodeoxycholate hydrate

## Chemical Properties

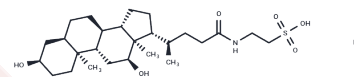
CAS No. : 207737-97-1

Formula: C<sub>26</sub>H<sub>45</sub>NNaO<sub>6</sub>S. xH<sub>2</sub>O

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

|               |   |
|---------------|---|
| Description   | Sodium taurodeoxycholate hydrate (Taurodeoxycholic acid sodium salt monohydrate) has been used in a study to assess the effect of submicellar concentrations of bile salts on the lipid bilayer membrane. |
| Targets(IC50) | Apoptosis,Others,NF-κB,Endogenous Metabolite,GPCR19,PARP,PKA  |

## Solubility Information

|                     |   |
|---------------------|---|
| Solubility          | DMSO: 250 mg/mL,Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble)   |
| In vivo Formulation | 10% DMSO+90% Saline: 10 mg/mL,Solution.<br><i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

## Reference

- Barbara, Orioni, Mauro, et al. Polymorphic Behavior in Protein–Surfactant Mixtures: The Water–Bovine Serum Albumin–Sodium Taurodeoxycholate System[J]. Journal of Physical Chemistry B, 2006.
- Qiu Q, Guo G, Guo X, et al.P53 Deficiency Accelerate Esophageal Epithelium Intestinal Metaplasia Malignancy. Biomedicines.2023, 11(3): 882.

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