



Product Information

Antifection inhibitor Sodium tauroursodeoxycholate, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ023

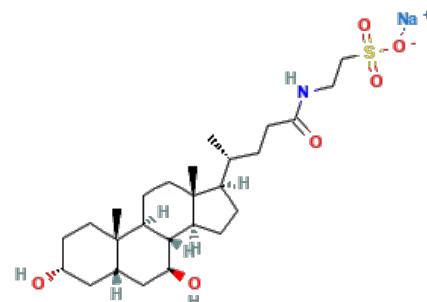
Size: 100 mg; 500 mg

CAS Number: 35807-85-3

Compound CID: 46782978

Synonym: 35807-85-3; Antifection inhibitor; TUDC

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Sodium tauroursodeoxycholate, soluble in DMSO, water and warmed ethanol, has strong immunosuppressant properties. It targets Caspase-12, Caspase-3, ERK, and human endogenous metabolite.
Molecular Weight	521.69
Molecular Formula	C ₂₆ H ₄₄ NNaO ₆ S
Targets	Caspase-12; Caspase-3; ERK; Human endogenous metabolite
IUPAC Name	Sodium;2-[[[(4R)-4-[(3R,5S,7S,8R,9S,10S,13R,14S,17R)-3,7-dihydroxy-10,13-dimethyl-2,3,4,5,6,7,8,9,11,12,14,15,16,17-tetradecahydro-1H-cyclopenta[a]phenanthren-17-yl]pentanoyl]amino]ethanesulfonate
InChI	InChI=1S/C26H45NO6S.Na/c1-16(4-7-23(30)27-12-13-34(31,32)33)19-5-6-20-24-21(9-11-26(19,20)3)25(2)10-8-18(28)14-17(25)15-22(24)29;/h16-22,24,28-29H,4-15H2,1-3H3,(H,27,30)(H,31,32,33);/q;+1/p-1/t16-,17+,18-,19-,20+,21+,22+,24+,25+,26-;/m1./s1
InChI Key	IYPNVUSIMGAJFC-JUWYWQLMSA-M
Canonical SMILES	CC(CCC(=O)NCCS(=O)(=O)[O-])C1CCC2C1(CCC3C2C(CC4C3(CCC(C4)O)C)O)C.[Na+]
Isomeric SMILES	C[C@H](CCC(=O)NCCS(=O)(=O)[O-])[C@H]1CC[C@@H]2[C@@]1(CC[C@H]3[C@H]2[C@H](C[C@H]4[C@@]3(CC[C@H](C4)O)C)O)C.[Na+]
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 96 mg/mL (184.01 mM); Water: 96 mg/mL (184.01 mM); Warmed ethanol: 68 mg/mL (130.34 mM)



Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	Sodium tauroursodeoxycholate is used in research as an antifection inhibitor to explore its protective effects on liver cells and its potential role in treating liver diseases.
Storage	Store at -20°C, and keep desiccated.
