

Product Information

Dehydrocholic acid, Purity ≥98%

Cat. No.: X24-09-YM1395

Size: 1 g; 2 g; 5 g; 10 g

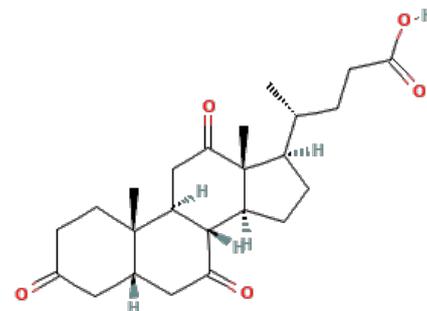
MDL: MFCD00066410

CAS Number: 81-23-2

Compound CID: 6674

Synonym: 81-23-2; Decholin; Dehystolin; Felacrinos; Sanocholen;

(4R)-4-[(5S,8R,9S,10S,13R,14S,17R)-10,13-Dimethyl-3,7,12-trioxo-1,2,4,5,6,8,9,11,14,15,16,17-dodecahydrocyclopenta[a]phenanthren-17-yl]pentanoic acid



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

Product Information

Description	Dehydrocholic acid, soluble in DMSO and ethanol and insoluble in water, is a synthetic bile acid, manufactured by the oxidation of cholic acid. The molecular weight of the compound is 402.52, and its molecular formula is C ₂₄ H ₃₄ O ₅ .
Molecular Weight	402.52
Molecular Formula	C ₂₄ H ₃₄ O ₅
IUPAC Name	(4R)-4-[(5S,8R,9S,10S,13R,14S,17R)-10,13-Dimethyl-3,7,12-trioxo-1,2,4,5,6,8,9,11,14,15,16,17-dodecahydrocyclopenta[a]phenanthren-17-yl]pentanoic acid
InChI	InChI=1S/C24H34O5/c1-13(4-7-21(28)29)16-5-6-17-22-18(12-20(27)24(16,17)3)23(2)9-8-15(25)10-14(23)11-19(22)26/h13-14,16-18,22H,4-12H2,1-3H3,(H,28,29)/t13-,14+,16-,17+,18+,22+,23+,24-/m1/s1
InChI Key	OHXPGWPVLPUSM-KLRNGDHRSA-N
Canonical SMILES	CC(CCC(=O)O)C1CCC2C1(C(=O)CC3C2C(=O)CC4C3(CCC(=O)C4)C)C
Isomeric SMILES	COC1=CC=C(C=C1)S(=O)(=O)/N=C/2\C=CC=C\C2=C/C=C3C=CN(C=C3)O
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 70 mg/mL (173.9 mM); Water: insoluble; Ethanol: 13 mg/mL



Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Dehydrocholic acid plays a key role in studies on bile salts' effects on lipid metabolism.
Storage	Store at -20°C, and keep desiccated.
