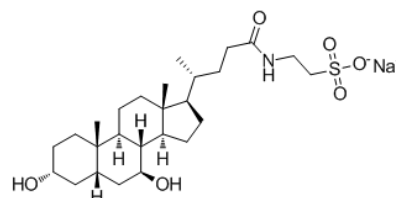


Product Name : Tauroursodeoxycholic acid sodium
Cat. No. : PC-45672
CAS No. : 35807-85-3
Molecular Formula : C₂₆H₄₄NNaO₆S
Molecular Weight : 521.6854
Target : Bcl-2
Solubility : H₂O: ≥ 39 mg/mL



Biological Activity

Tauroursodeoxycholic acid (TUDCA) is a neuroprotective bile conjugate, prevents **Bax** translocation both in vitro and in vivo, thereby preserving mitochondrial function and suppressing apoptosis. TUDCA inhibits nuclear factor-kappa B (NF-κB) activation in glial cells. TUDCA shows anti-inflammatory effect by inducing TGF-β pathway. TUDCA also inhibits TNFα-induced lipolysis.

References

- Romero-Ramirez L, et al. *Neural Regen Res*. 2017 Jan;12(1):62-63.
Xia W, et al. *Mol Med Rep*. 2017 Apr;15(4):1753-1758.
Rani S, et al. *PLoS One*. 2017 Apr 20;12(4):e0176071.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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