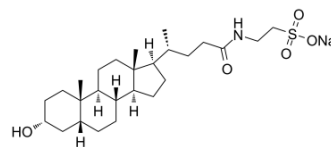


Taurolithocholic acid sodium salt

Cat. No.:	HY-113308A
CAS No.:	6042-32-6
Molecular Formula:	C ₂₆ H ₄₄ NNaO ₅ S
Molecular Weight:	505.69
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Taurolithocholic acid sodium salt, a potent cholestatic agent, is a potent Ca ²⁺ agonist ^[1] .
In Vitro	<p>Taurolithocholic acid (TLCA) at low concentrations (5 μM) tends to selectively increase the membrane-associated fraction of the e-isoform of PKC by 44.1% ± 40.2%^[1].</p> <p>TLCA (10 μM) selectively induces translocation of the ε-isoform of PKC to the hepatocellular membranes, a key step for activation of mobile PKC isoforms^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>
In Vivo	<p>Taurolithocholic acid (TLCA) exerts cholestatic effects via PI3K-dependent mechanisms in perfused rat Livers and rat hepatocyte couplets^[2].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

- [1]. U Beuers, et al. Modulation of protein kinase C by taurolithocholic acid in isolated rat hepatocytes. *Hepatology*. 1999 Feb;29(2):477-82.
- [2]. Ulrich Beuers, et al. Taurolithocholic acid exerts cholestatic effects via phosphatidylinositol 3-kinase-dependent mechanisms in perfused rat livers and rat hepatocyte couplets. *J Biol Chem*. 2003 May 16;278(20):17810-8.

Caution: Product has not been fully validated for medical applications. For research use only.

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