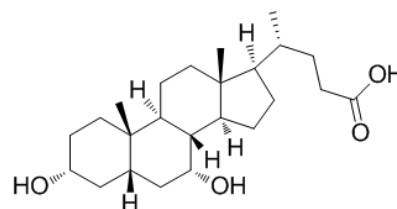


**Product Name** : Chenodeoxycholic Acid  
**Cat. No.** : PC-45980  
**CAS No.** : 474-25-9  
**Molecular Formula** : C<sub>24</sub>H<sub>40</sub>O<sub>4</sub>  
**Molecular Weight** : 392.572  
**Target** : Farnesoid X Receptor (FXR)  
**Solubility** : DMSO: ≥ 3.6 mg/mL



## Biological Activity

Chenodeoxycholic Acid (CDDA) is a potent natural bile acid at stimulating the nuclear bile acid receptor, farnesoid X receptor (**FXR**).

CDDA increases plasma concentrations of GLP-1, C-peptide, glucagon, peptide YY, neurotensin, total bile acids, and FGF19 significantly compared with placebo.

CDDA also activates NLRP3 inflammasome and contributes to cholestatic liver fibrosis.

## References

Parks DJ, et al. *Science*. 1999 May 21;284(5418):1365-8.

Nielsen S, et al. *Physiol Rep*. 2017 Feb;5(3). pii: e13140.

Gong Z, et al. *Oncotarget*. 2016 Dec 20;7(51):83951-83963.

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

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