

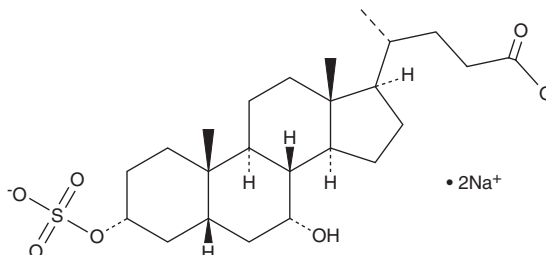
PRODUCT INFORMATION



Chenodeoxycholic Acid 3-sulfate (sodium salt)

Item No. 45843

CAS Registry No.: 60237-34-5
Formal Name: (5 β)-7 α -hydroxy-3 α -(sulfooxy)-
cholan-24-oic acid, disodium salt
Synonyms: CDCA-3S,
3-Sulfochenodeoxycholic Acid
MF: C₂₄H₃₈O₇S • 2Na
FW: 516.6
Purity: ≥98%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Chenodeoxycholic acid 3-sulfate (sodium salt) is supplied as a solid. A stock solution may be made by dissolving the chenodeoxycholic acid 3-sulfate (sodium salt) in the solvent of choice, which should be purged with an inert gas. Chenodeoxycholic acid 3-sulfate (sodium salt) is sparingly soluble (1-10 mg/ml) in DMSO and slightly soluble (0.1-1 mg/ml) in methanol.

Chenodeoxycholic acid 3-sulfate (sodium salt) is slightly soluble (0.1-1 mg/ml) in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

Description

Chenodeoxycholic acid 3-sulfate is a metabolite of the primary bile acid chenodeoxycholic acid (Item Nos. 10011286 | 35346).^{1,2} It is formed from chenodeoxycholic acid by sulfonation via sulfotransferase 2A1 (SULT2A1).

References

1. Alnouti, Y. Bile acid sulfation: A pathway of bile acid elimination and detoxification. *Toxicol. Sci.* **108**(2), 225-246 (2009).
2. Kurogi, K., Krasowski, M.D., Injeti, E., *et al.* A comparative study of the sulfation of bile acids and a bile alcohol by the Zebra danio (*Danio rerio*) and human cytosolic sulfotransferases (SULTs). *J. Steroid Biochem. Mol. Biol.* **127**(3-5), 307-314 (2011).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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