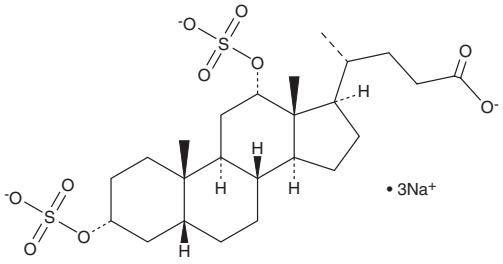
PRODUCT INFORMATION

Deoxycholic Acid Disulfate (sodium salt)

Item No. 45867

CAS Registry No.:	71387-97-8
Formal Name:	(5β)-3α,12α-*bis*(sulfooxy)-cholan-24-oic acid, trisodium salt
Synonym:	Deoxycholate Disulphate
MF:	$C_{24}H_{37}O_{10}S_2 \bullet 3Na$
FW:	618.6
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

Deoxycholic acid disulfate (sodium salt) is supplied as a solid. A stock solution may be made by dissolving the deoxycholic acid disulfate (sodium salt) in water. We do not recommend storing the aqueous solution for more than one day.

Description

Deoxycholic acid disulfate is a bile acid and derivative of the secondary bile acid deoxycholic acid (Item Nos. 44906 | 20756 | 18231).[1] Circulating levels of deoxycholic acid disulfate are increased in male *Ldlr*$^{-/-}$ mice exposed to a per- and polyfluoroalkyl substance (PFAS) mixture compared to male vehicle control mice. Levels in the circulation are lower in male compared to female vehicle control mice. Fecal levels of deoxycholic acid disulfate are increased 4.9-fold in mice following exposure to 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD; Item No. 38392).[2]

References

1. Roth, K., Yang, Z., Agarwal, M., *et al.* Exposure of *Ldlr*$^{-/-}$ mice to a PFAS mixture and outcomes related to circulating lipids, bile acid excretion, and the intestinal transporter ASBT. *Environ. Health Perspect.* **132(8)**, 87007 (2024).
2. Fader, K.A., Nault, R., Zhang, C., *et al.* 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin (TCDD)-elicited effects on bile acid homeostasis: Alterations in biosynthesis, enterohepatic circulation, and microbial metabolism. *Sci. Rep.* **7(1)**, 5921 (2017).

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.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 08/28/2026

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM