



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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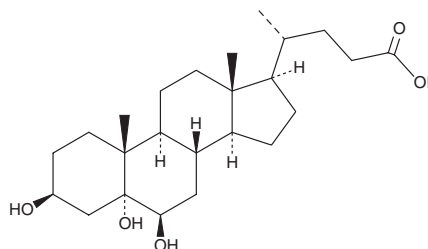
# PRODUCT INFORMATION



## 3 $\beta$ ,5 $\alpha$ ,6 $\beta$ -Trihydroxycholan-24-oic Acid

Item No. 19636

CAS Registry No.: 16030-92-5  
Formal Name: 3 $\beta$ ,5 $\alpha$ ,6 $\beta$ -trihydroxy-cholan-24-oic acid  
MF: C<sub>24</sub>H<sub>40</sub>O<sub>5</sub>  
FW: 408.6  
Purity:  $\geq$ 90%  
Supplied as: A solid  
Storage: -20°C  
Stability:  $\geq$ 2 years



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

### Laboratory Procedures

3 $\beta$ ,5 $\alpha$ ,6 $\beta$ -Trihydroxycholan-24-oic acid is supplied as a solid. A stock solution may be made by dissolving the 3 $\beta$ ,5 $\alpha$ ,6 $\beta$ -trihydroxycholan-24-oic acid in the solvent of choice, which should be purged with an inert gas. 3 $\beta$ ,5 $\alpha$ ,6 $\beta$ -Trihydroxycholan-24-oic acid is soluble in methanol and DMSO.

### Description

3 $\beta$ ,5 $\alpha$ ,6 $\beta$ -Trihydroxycholan-24-oic acid is a metabolite of 5 $\alpha$ ,6 $\beta$ -dihydroxycholestanol (Item No. 25538).<sup>1,2</sup> It is increased in dried blood spots from patients with Niemann-Pick disease type C, a neurodegenerative cholesterol-sphingolipid lysosomal storage disorder.<sup>2</sup>

### References

1. Kikuchi, S., Imai, Y., Suzuoki, Z., *et al.* Biologic studies of cholestane-3 $\beta$ ,5 $\alpha$ ,6 $\beta$ -triol and its derivatives. III. The metabolic fate and metabolites of cholestane-3 $\beta$ ,5 $\alpha$ ,6 $\beta$ -triol in animals. *J. Pharmacol. Exp. Ther.* **159**(2), 399-408 (1968).
2. Jiang, X., Sidhu, R.S., Mydock-McGrane, L., *et al.* Development of a bile acid-based newborn screen for Niemann-Pick disease type C. *Sci. Transl. Med.* **8**(337), 337ra63 (2016).

#### 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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