



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

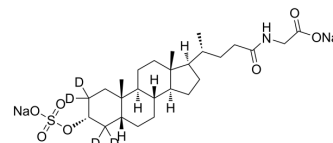
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Glycolithocholic acid 3-sulfate-d<sub>4</sub> disodium

|                           |                                                                                           |
|---------------------------|-------------------------------------------------------------------------------------------|
| <b>Cat. No.:</b>          | HY-141931S1                                                                               |
| <b>Molecular Formula:</b> | C <sub>26</sub> H <sub>37</sub> D <sub>4</sub> NNa <sub>2</sub> O <sub>7</sub> S          |
| <b>Molecular Weight:</b>  | 561.68                                                                                    |
| <b>Target:</b>            | Isotope-Labeled Compounds                                                                 |
| <b>Pathway:</b>           | Others                                                                                    |
| <b>Storage:</b>           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### SOLVENT & SOLUBILITY

#### In Vitro

Methanol : 5 mg/mL (8.90 mM; Need ultrasonic and warming)

|                              | Solvent<br>Concentration | Mass      |           |            |
|------------------------------|--------------------------|-----------|-----------|------------|
|                              |                          | 1 mg      | 5 mg      | 10 mg      |
| Preparing<br>Stock Solutions | 1 mM                     | 1.7804 mL | 8.9019 mL | 17.8037 mL |
|                              | 5 mM                     | 0.3561 mL | 1.7804 mL | 3.5607 mL  |
|                              | 10 mM                    | ---       | ---       | ---        |

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Glycolithocholic acid 3-sulfate-d<sub>4</sub> disodium is the deuterium labeled Glycolithocholic acid 3-sulfate (HY-113074)<sup>[1]</sup>.

#### In Vitro

Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs<sup>[1]</sup>.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA