



# 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

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# PRODUCT INFORMATION



## (2S)-Octyl- $\alpha$ -hydroxyglutarate-d<sub>17</sub>

Item No. 19695

**Formal Name:** 2S-hydroxy-pentanedioic acid,  
1-octyl-d<sub>17</sub> ester  
**Synonym:** (2S)-Octyl-2-HG-d<sub>17</sub>  
**MF:** C<sub>13</sub>H<sub>7</sub>D<sub>17</sub>O<sub>5</sub>  
**FW:** 277.4

**Chemical Purity:** ≥95% (2S)-Octyl- $\alpha$ -hydroxyglutarate

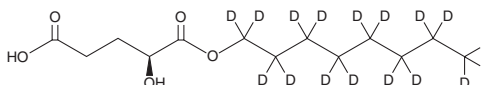
**Deuterium**

**Incorporation:** ≥99% deuterated forms (d<sub>1</sub>-d<sub>17</sub>); ≤1% d<sub>0</sub>

**Supplied as:** A crystalline solid

**Storage:** -20°C

**Stability:** As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



### Laboratory Procedures

(2S)-Octyl- $\alpha$ -hydroxyglutarate-d<sub>17</sub> contains 17 deuterium atoms located on the octyl group. It is intended for use as an internal standard for the quantification of (2S)-octyl- $\alpha$ -hydroxyglutarate (Item No. 16367) by GC- or LC-MS. The accuracy of the sample weight in this vial is between 5% over and 2% under the amount shown on the vial. If better precision is required, the deuterated standard should be quantitated against a more precisely weighed unlabeled standard by constructing a standard curve of peak intensity ratios (deuterated versus unlabeled).

(2S)-Octyl- $\alpha$ -hydroxyglutarate-d<sub>17</sub> is supplied as a crystalline solid. A stock solution may be made by dissolving the (2S)-octyl- $\alpha$ -hydroxyglutarate-d<sub>17</sub> in the solvent of choice. (2S)-Octyl- $\alpha$ -hydroxyglutarate-d<sub>17</sub> is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of (2S)-octyl- $\alpha$ -hydroxyglutarate-d<sub>17</sub> in ethanol is approximately 20 mg/ml and approximately 10 mg/ml in DMSO and DMF.

### Description

(2S)-Octyl- $\alpha$ -hydroxyglutarate is a cell-permeable derivative of the L-isomer of  $\alpha$ -hydroxyglutarate (Item No. 16374).

#### 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.

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