



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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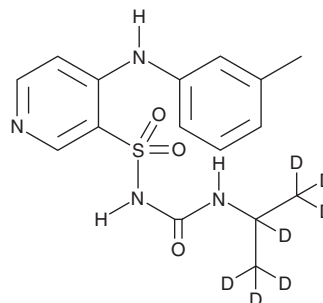
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# PRODUCT INFORMATION



## Torsemide-d<sub>7</sub> Item No. 26790

**CAS Registry No.:** 1189375-06-1  
**Formal Name:** N-[[[(1-methylethyl-d<sub>7</sub>)amino]carbonyl]-4-[(3-methylphenyl)amino]-3-pyridinesulfonamide  
**Synonym:** Torsemide-d<sub>7</sub>  
**MF:** C<sub>16</sub>H<sub>13</sub>D<sub>7</sub>N<sub>4</sub>O<sub>3</sub>S  
**FW:** 355.5  
**Chemical Purity:** ≥98% (Torsemide)  
**Deuterium Incorporation:** ≥99% deuterated forms (d<sub>1</sub>-d<sub>7</sub>); ≤1% d<sub>0</sub>  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** ≥2 years



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

### Laboratory Procedures

Torsemide-d<sub>7</sub> is intended for use as an internal standard for the quantification of torsemide 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).

Torsemide-d<sub>7</sub> is supplied as a solid. A stock solution may be made by dissolving the torsemide-d<sub>7</sub> in the solvent of choice. Torsemide-d<sub>7</sub> is soluble in organic solvents such as methanol and DMSO, which should be purged with an inert gas.

### Description

Torsemide is a loop diuretic.<sup>1</sup> *In vivo*, torsemide (6 mg/kg) increases fractional potassium, sodium, and chloride excretion and increases urine flow in rats. Formulations containing torsemide have been used to treat edema associated with congestive heart failure, kidney disease, and liver disease, as well as high blood pressure.

### Reference

1. Beck, F.-X., Sone, M., Dorge, A., *et al.* Effect of loop diuretics on organic osmolytes and cell electrolytes in the renal outer medulla. *Kidney Int.* **42**(4), 843-850 (1992).

#### 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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