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

www.szabo-scandic.com

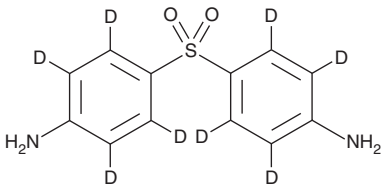
linkedin.com/company/szaboscandic

# PRODUCT INFORMATION

## Dapsone-$d_8$

*Item No. 22113*

**CAS Registry No.:** 557794-38-4
**Formal Name:** 4,4'-sulfonylbis-benzen-2,3,5,6-$d_4$-amine
**MF:** $C_{12}H_4D_8N_2O_2S$
**FW:** 256.3
**Chemical Purity:** ≥96% (Dapsone)
**Deuterium Incorporation:** ≥99% deuterated forms ($d_1$-$d_8$); ≤1% $d_0$
**Supplied as:** A solid
**Storage:** -20°C
**Stability:** ≥2 years
**Special Conditions:** Hygroscopic




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

### Laboratory Procedures

Dapsone-$d_8$ is intended for use as an internal standard for the quantification of dapsone 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).

Dapsone-$d_8$ is supplied as a solid. A stock solution may be made by dissolving the dapsone-$d_8$ in the solvent of choice. Dapsone-$d_8$ is slightly soluble in DMSO and methanol.

### Description

Dapsone is an anti-inflammatory and antibacterial compound that is widely used in the treatment of leprosy, malaria, acne, and various immune disorders.[1] Dapsone is acetylated in the liver to monoacetyldapsone, the major metabolite, and other mono and diacetyl derivatives, and subsequently deacetylated back to diaminodiphenylsulfone (dapsone) until a state of equilibrium is achieved.

### Reference


1. Bonde, S.L., Bhadane, R.P., Gaikwad, A., *et al*. Simultaneous determination of Dapsone and its major metabolite N-acetyl Dapsone by LC-MS/MS method. *Int. J. Pharm. Pharm. Sci.* **5(Suppl 3)**, 441-446 (2013).





**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