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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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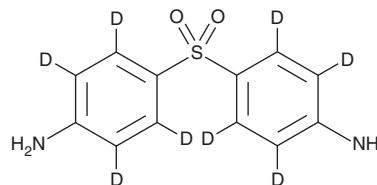
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PRODUCT INFORMATION



Dapsone-d₈ Item No. 22113

CAS Registry No.: 557794-38-4
Formal Name: 4,4'-sulfonylbis-benzen-2,3,5,6-d₄-amine
MF: C₁₂H₄D₈N₂O₂S
FW: 256.3
Chemical Purity: ≥96% (Dapsone)
Deuterium
Incorporation: ≥99% deuterated forms (d₁-d₈); ≤1% d₀
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-d₈ 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-d₈ is supplied as a solid. A stock solution may be made by dissolving the dapsone-d₈ in the solvent of choice. Dapsone-d₈ 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).

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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