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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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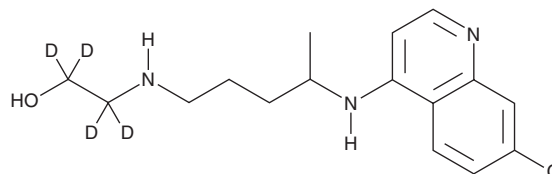
PRODUCT INFORMATION



Desethyl Hydroxychloroquine-d₄

Item No. 31162

CAS Registry No.: 1854126-47-8
Formal Name: 2-[[4-[(7-chloro-4-quinolinyl)amino]pentyl]amino]-ethan-1,1,2,2-d₄-ol
Synonyms: Cletoquine-d₄, (±)-Desethylhydroxychloroquine-d₄, DHCQ-d₄
MF: C₁₆H₁₈ClD₄N₃O
FW: 311.8
Chemical Purity: ≥95% (Desethyl Hydroxychloroquine)
Deuterium Incorporation: ≥99% deuterated forms (d₁-d₄); ≤1% d₀
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

Desethyl hydroxychloroquine-d₄ is intended for use as an internal standard for the quantification of desethyl hydroxychloroquine (Item No. 31152) 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).

Desethyl hydroxychloroquine-d₄ is supplied as a solid. A stock solution may be made by dissolving the desethyl hydroxychloroquine-d₄ in the solvent of choice, which should be purged with an inert gas. Desethyl hydroxychloroquine-d₄ is soluble in methanol, DMSO, and dimethyl formamide.

Description

Desethyl hydroxychloroquine is an active metabolite of hydroxychloroquine (Item No. 17911).¹ It is formed via the desethylation of hydroxychloroquine in the liver, a process mediated by the cytochrome P450 (CYP) isoforms CYP2D6, CYP3A4, CYP3A5, and CYP2C8.

Reference

1. Charlier, B., Pingeon, M., Dal Piaz, F., *et al.* Development of a novel ion-pairing HPLC-FL method for the separation and quantification of hydroxychloroquine and its metabolites in whole blood. *Biomed. Chromatogr.* **32**(8), e4258 (2018).

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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