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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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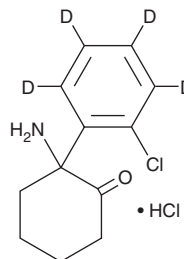
PRODUCT INFORMATION



Norketamine-d₄ (hydrochloride)

Item No. 15835

CAS Registry No.: 1435934-57-8
Formal Name: 2-amino-2-(2-chlorophenyl-3,4,5,6-d₄)-cyclohexanone, monohydrochloride
Synonym: N-desmethyl Ketamine-d₄
MF: C₁₂H₁₀ClD₄NO • HCl
FW: 264.2
Chemical Purity: ≥98% (Norketamine)
Deuterium Incorporation: ≥99% deuterated forms (d₁-d₄); ≤1% d₀
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years



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

Description

Norketamine-d₄ (hydrochloride) (Item No. 15835) is intended for use as an internal standard for the quantification of norketamine (Item Nos. 20128 | 15787) 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).

Norketamine is an arylcyclohexylamine metabolite.^{1,2} Norketamine is a metabolite of ketamine (Item Nos. 19389 | 11630). This product is intended for research and forensic applications.

References

1. Adams, J.D., Jr., Baillie, T.A., Trevor, A.J., *et al.* Studies on the biotransformation of ketamine. 1-Identification of metabolites produced *in vitro* from rat liver microsomal preparations. *Biomed. Mass Spectrom.* **8(11)**, 527-538 (1981).
2. Kim, J.Y., Shin, S.H., and In, M.K. Determination of amphetamine-type stimulants, ketamine and metabolites in fingernails by gas chromatography-mass spectrometry. *Forensic Sci. Int.* **194(1-3)**, 108-114 (2010).

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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