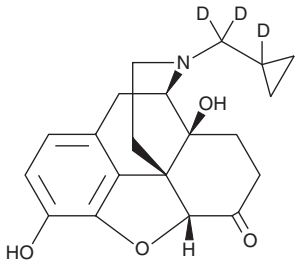
PRODUCT INFORMATION

Naltrexone-d_3

Item No. 18325

CAS Registry No.:	1261080-26-5
Formal Name:	17-((cyclopropyl-d_1)methyl-d_2)-4,5α-epoxy-3,14-dihydroxy-morphinan-6-one
MF:	$C_{20}H_{20}D_3NO_4$
FW:	344.4
Purity:	≥98%
Supplied as:	A neat solid
Storage:	-20°C
Stability:	≥6 years



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

Description

Naltrexone-d_3 (Item No. 18325) is an analytical reference material intended for use as an internal standard for the quantification of naltrexone (Item Nos. ISO60192 | 15520) 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).

Naltrexone is categorized as an opioid antagonist.[1] Formulations containing naltrexone have been used in the treatment of alcohol dependence and in the prevention of relapse to opioid dependence. This product is intended for research and forensic applications.

This product is qualified as a Reference Material that has been manufactured and tested to ISO/IEC 17025 and ISO 17034 international standards for reference materials.

Reference

1. Ghirmai, S., Azar, M.R., Polgar, W.E., *et al.* Synthesis and biological evaluation of α- and β-6-amido derivatives of 17-cyclopropylmethyl-3, 14β-dihydroxy-4, 5α-epoxymorphinan: Potential alcohol-cessation agents. *J. Med. Chem.* **51(6)**, 1913-1924 (2008).

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