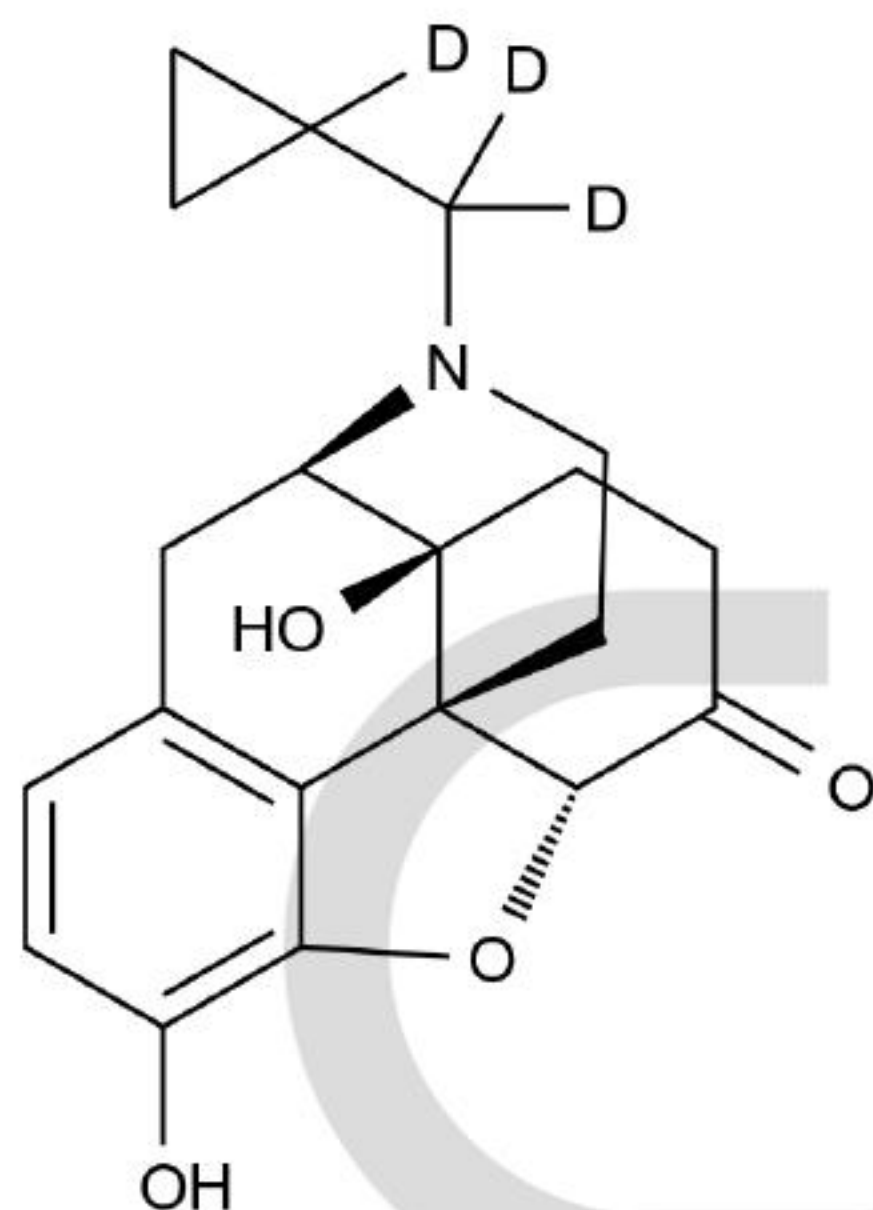


Certificate of Analysis

Reference Material & Standard

Product Name:	Naltrexone-D3	Catalogue Number:	CS174160
Synonyms:	N/A	Lot Number:	0227-RF-0011
CAS Number:	1261080-26-5	Expiry Date:	Aug 15, 2026
Molecular Formula:	C ₂₀ H ₂₀ D ₃ NO ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	344.42	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	99.2%
Isotopic Purity		99.1%
Uncertainty		±2.0%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lily

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Feb 28, 2024

Date: Feb 28, 2024

Date: Feb 28, 2024

