



CERTIFICATE OF ANALYSIS

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1. Identification

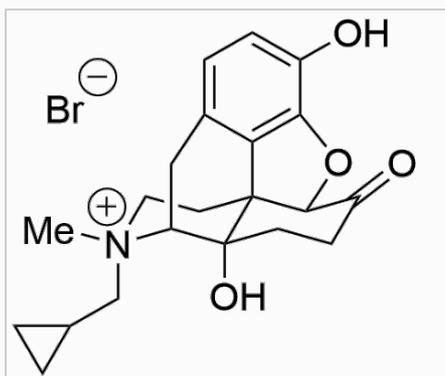
Catalogue Number: M265395

CAS Number: 916045-21-1

Product: (S)-N-Methyl Naltrexone Bromide

Synonym: Naltrexone Methobromide

Structure:



Molecular Formula:

C₂₁H₂₆NO₄ • Br

Molecular weight:

436.34

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Very Slightly)

Lot Number: 23-JQW-128-3

Purity: 96%

Shipping Condition: This Product Is Stable To Be Shipped With Blue Ice

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
Elemental Analysis	Conforms	%C: 55.55, %H: 5.92, %N: 3.01
NMR	Conforms to Structure	Conforms
Bromide Content	Report Result	17.1%
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	96.26% (205 nm)
Specific Rotation	Report Result	-121.4° (c = 0.1, Methanol)

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Sarbjeeet Kaur	Toni Rantanen	Chanell Chu	1/12/2024	1/10/2028