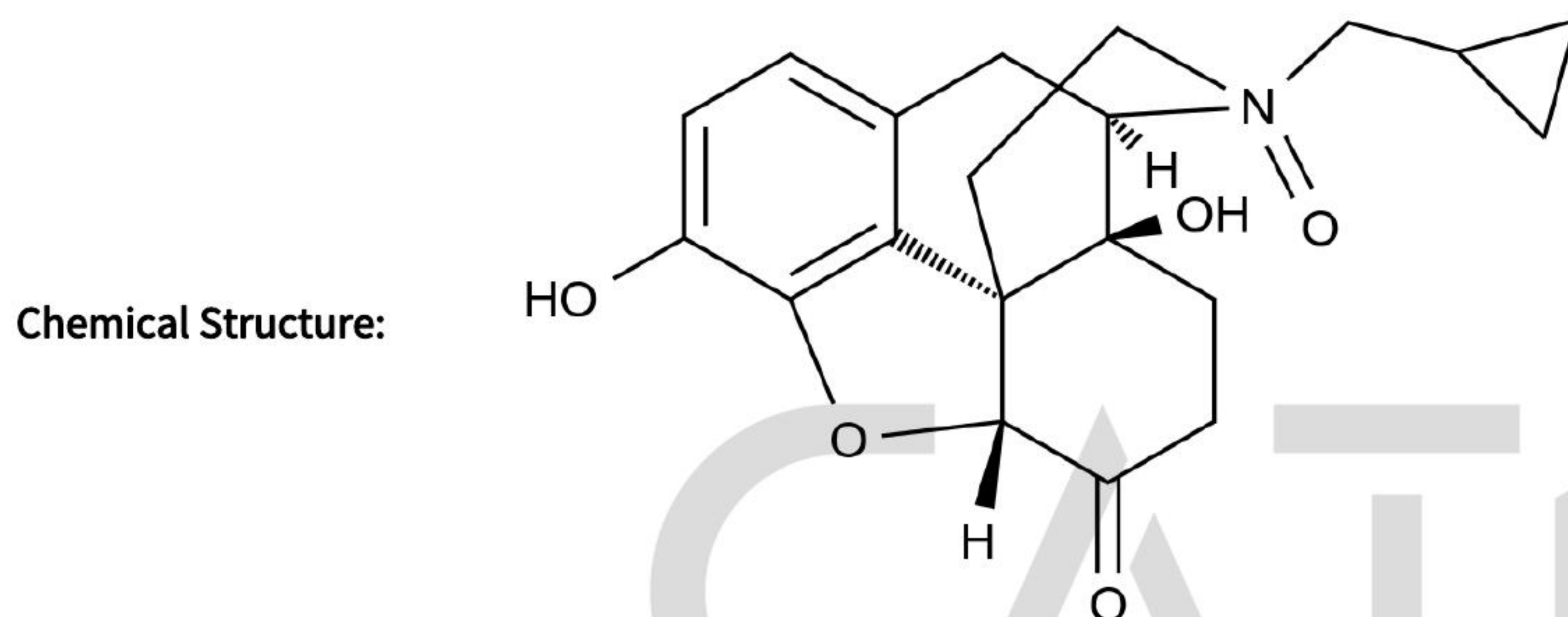


Certificate of Analysis

Reference Material & Standard

Product Name:	Naltrexone Impurity 19	Catalogue Number:	C4X-147519
Synonyms:	N/A	Lot Number:	0411-RF-0055
CAS Number:	112269-62-2	Expiry Date:	Apr 14, 2027
Molecular Formula:	C ₂₀ H ₂₃ NO ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	357.40		



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.619%
Loss On Drying	TGA	1.3018%
Assay		98.3%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Aproved by General Manager:

David

Date: Apr 15, 2024

Date: Apr 15, 2024

Date: Apr 15, 2024

