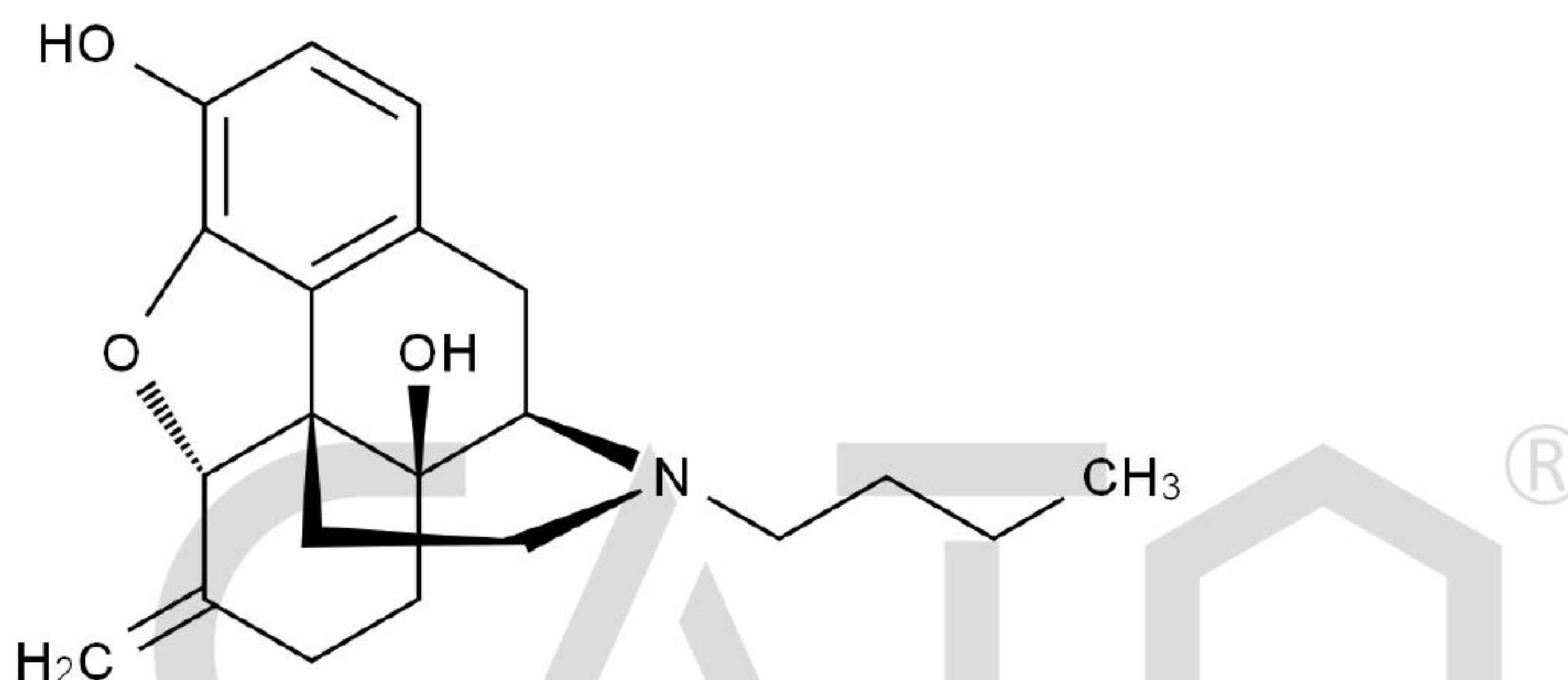


Certificate of Analysis

Reference Material & Standard

Product Name:	Nalmefene Impurity 9	Catalogue Number:	C4X-12689
Synonyms:	N/A	Lot Number:	0701-RF-0113
CAS Number:	N/A	Expiry Date:	Jul 03, 2027
Molecular Formula:	C ₂₁ H ₂₇ NO ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	341.44		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.058%
Loss On Drying	TGA	0.6456%
Assay		97.4%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Aug 01, 2024

Date: Aug 01, 2024

Date: Aug 01, 2024

