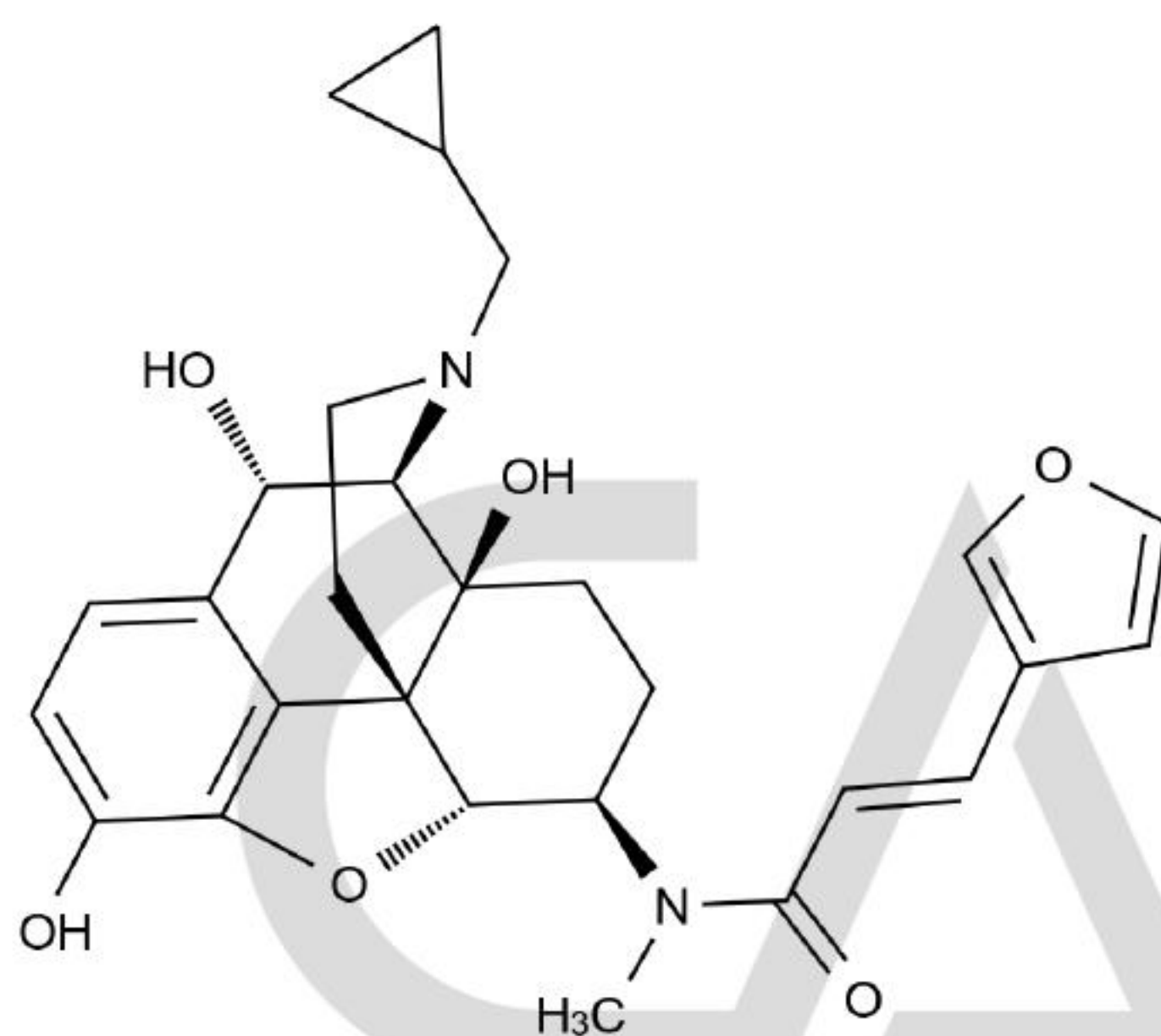


Certificate of Analysis

Reference Material & Standard

Product Name:	10 α -Hydroxy-nalfurafine	Catalogue Number:	C4X-128618
Synonyms:	N/A	Lot Number:	0506-RH-0072
CAS Number:	1054312-75-2	Expiry Date:	Apr 28, 2030
Molecular Formula:	C ₂₈ H ₃₂ N ₂ O ₆	Storage:	-20°C $\pm$ 5°C Protected from light and Sealed
Molecular Weight:	492.56	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	97.3458%
Loss on Drying	TGA	1.015%
Assay		96.4%

Comment:

The calculation of the mass balance 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:

Reviewed by:

Approved by General Manager:

Date: May 07, 2026

Date: May 07, 2026

Date: May 07, 2026



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