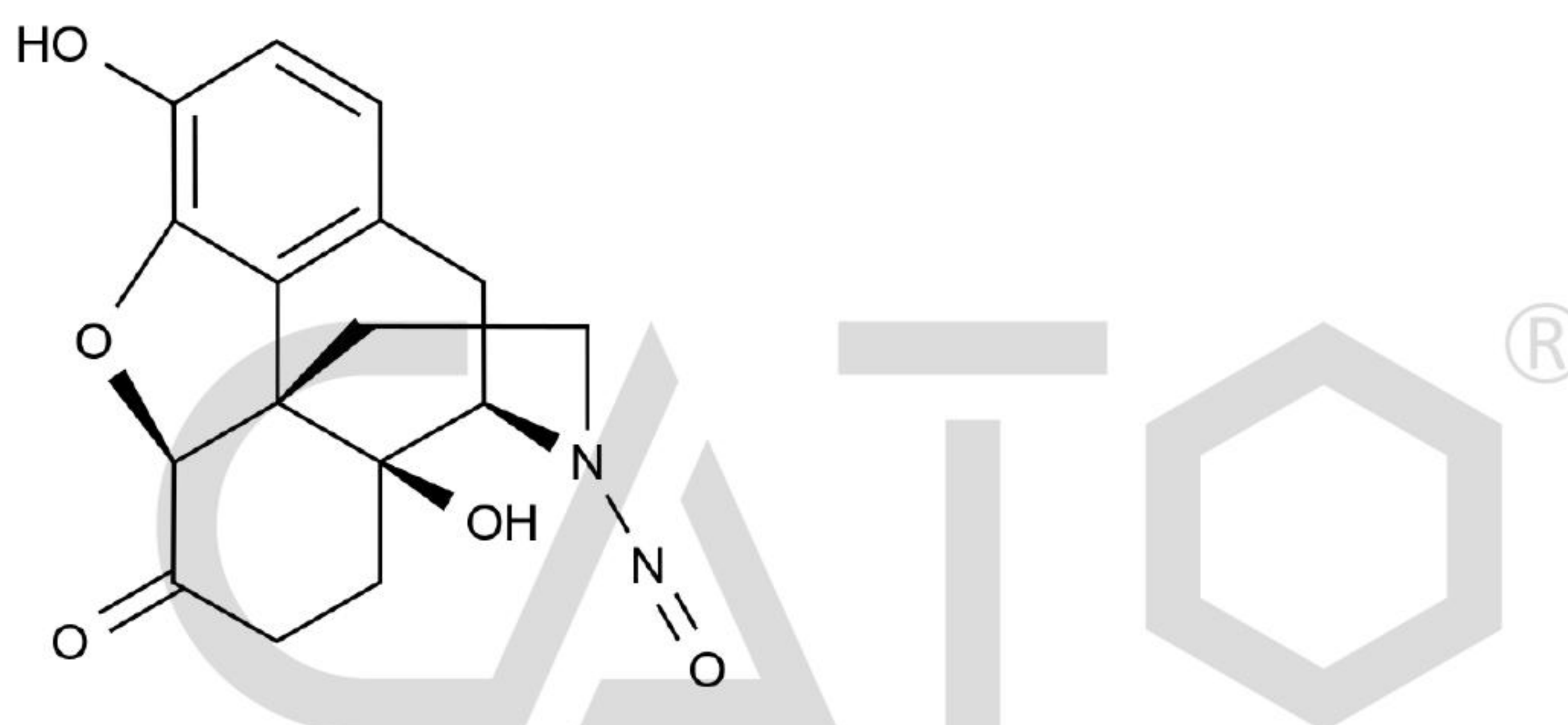


Certificate of Analysis

Reference Material & Standard

Product Name:	Naltrexone Impurity 64	Catalogue Number:	C4X-147564
Synonyms:	N/A	Lot Number:	1028-RG-0015
CAS Number:	N/A	Expiry Date:	Apr 26, 2027
Molecular Formula:	C ₁₆ H ₁₆ N ₂ O ₅	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	316.31	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.90%
Loss On Drying	TGA	6.472%
Assay		90.6%

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:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Oct 30, 2025

Date: Oct 30, 2025

Date: Oct 30, 2025



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