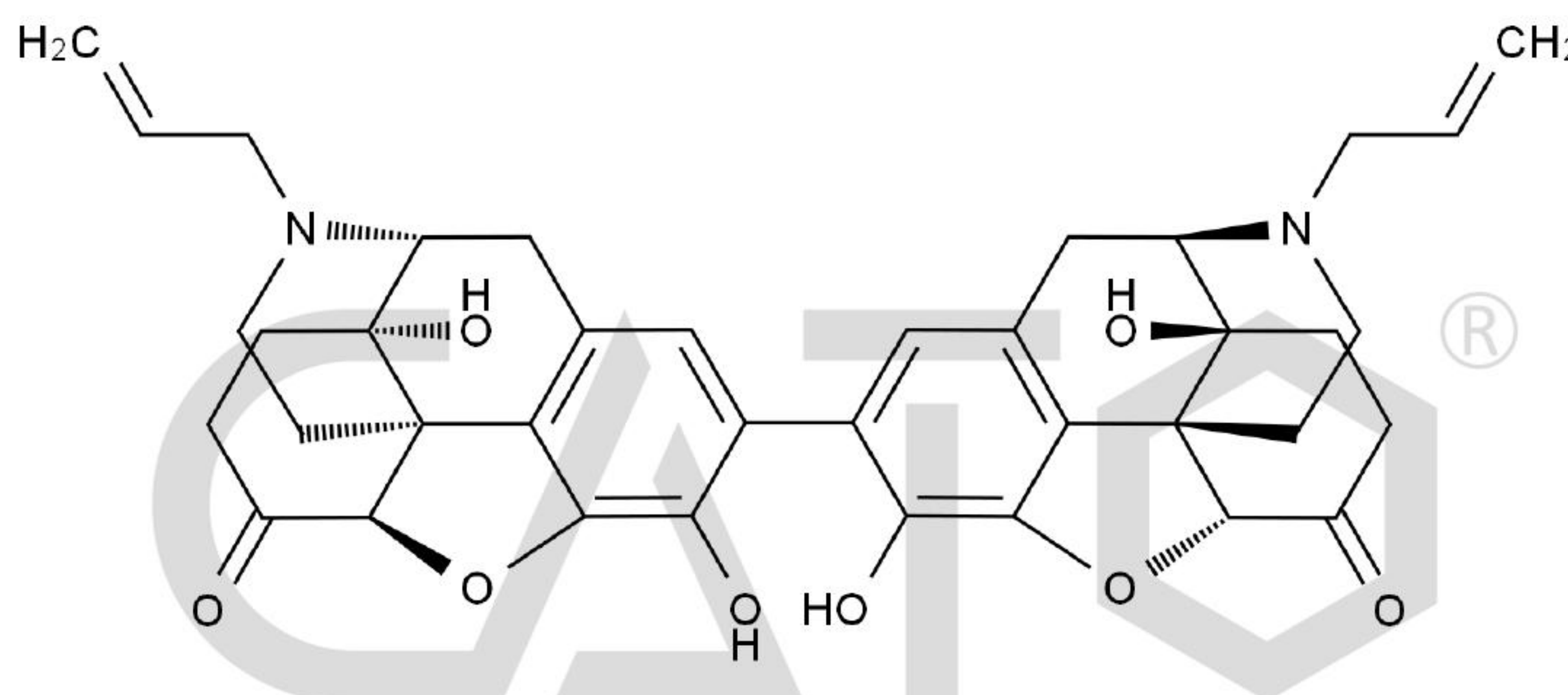


Certificate of Analysis

Reference Material & Standard

Product Name:	Naloxone Hydrochloride EP Impurity E	Catalogue Number:	C4X-14935
Synonyms:	N/A	Lot Number:	0514-RH-0070
CAS Number:	211738-08-8	Expiry Date:	May 26, 2030
Molecular Formula:	C ₃₈ H ₄₀ N ₂ O ₈	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	652.73	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.993%
Loss on Drying	TGA	3.3277%
Assay		95.7%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: May 27, 2026

Date: May 27, 2026

Date: May 27, 2026



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