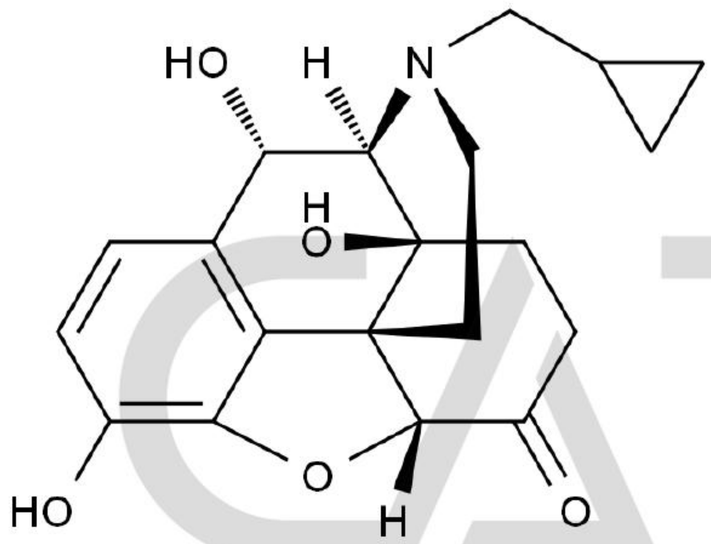
Certificate of Analysis

Reference Material & Standard

Product Name:	Naltrexone EP Impurity F	**Catalogue Number:**	C4X-14756
Synonyms:	N/A	**Lot Number:**	0903-RH-0036
CAS Number:	2397651-97-5	**Expiry Date:**	Sep 03, 2030
Molecular Formula:	$C_{20}H_{23}NO_5$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	357.40	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.6%
Assay	qNMR	91.9%

CATO Research Chemicals Inc.

Signature:

Prepared by: Alice Date: Sep 04, 2026

Reviewed by: Koi Date: Sep 04, 2026

Approved by General Manager: David Date: Sep 04, 2026

CATO Research Chemicals Inc.