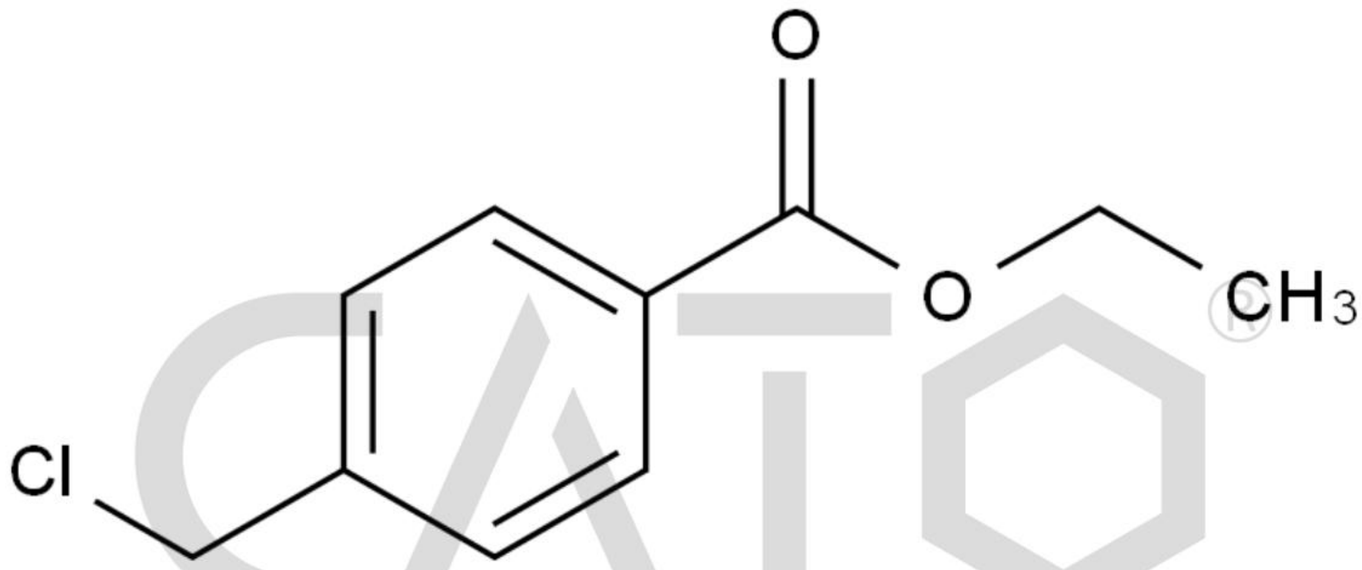
Certificate of Analysis

Reference Material & Standard

Product Name:	Naltrexone Impurity 13	**Catalogue Number:**	C4X-147513
Synonyms:	N/A	**Lot Number:**	1015-RH-0081
CAS Number:	1201-90-7	**Expiry Date:**	Oct 21, 2030
Molecular Formula:	$C_{10}H_{11}ClO_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	198.65	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.7%
Assay	qNMR	94.7%

CATO Research Chemicals Inc.

Signature:

Prepared by: Alice Date: Oct 22, 2026

Reviewed by: Koi Date: Oct 22, 2026

Approved by General Manager: David Date: Oct 22, 2026

CATO Research Chemicals Inc.