

Certificate of Analysis

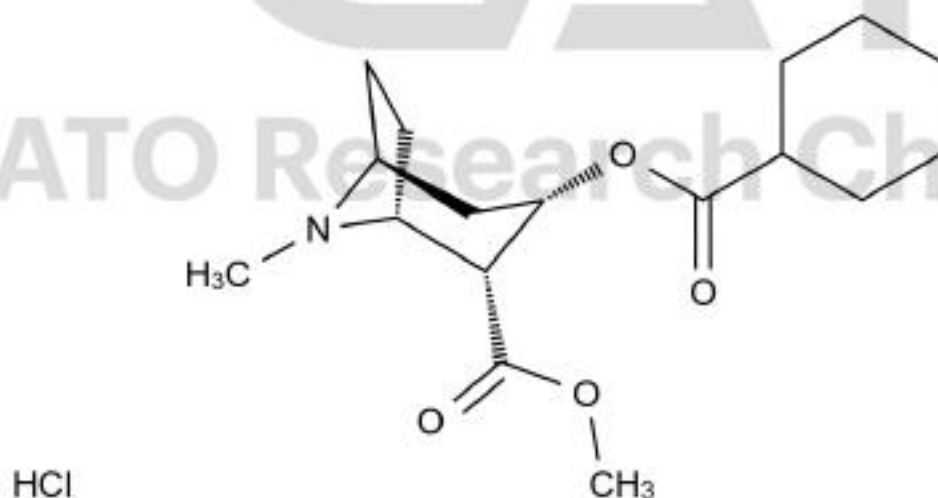
Reference Material & Standard

Product Name:	(-)-Cocaine hydrochloride 1-alpha-H,5-alpha-H-Tropane-2-beta-carboxylic acid, 3-beta-hydroxy-, methyl ester, benzoate (ester), hydrochloride 1alpha-H,5alpha-H-Tropane-2beta-carboxylic acid, 3beta-hydroxy-, 1alphaH,5alphaH-Tropane-2beta-carboxylic acid, 3beta-hydroxy-, methyl ester, benzoate (ester), hydrochloride(8Cl) 53-21-4 8-Azabicyclo(3.2.1)octane-2-carboxylic acid, 3-(benzoyloxy)-8-methyl-, methyl ester, hydrochloride, (1R-(exo,exo))- 8-Azabicyclo[3.2.1]octane-2-carboxylic acid, 3-(benzoyloxy)-8-methyl-, methyl ester, hydrochloride, (1R,2R,3S,5S)- (9Cl) 8-azabicyclo[3.2.1]octane-2-carboxylic acid, 3-(benzoyloxy)-8-methyl-, methyl ester hydrochloride Cocaine chloride Cocaine muriate Ecgonine methyl ester benzoate hydrochloride MCV 4526 Methyl 3-beta-hydroxy-1-alpha-H,5-alpha-H-tropan-2-beta-carboxylate, benzoate (ester) HCl Methyl 3beta-hydroxy-1alphaH,5alphaH-tropan-2beta-carboxylate, benzoate (ester) hydrochloride Sal de merck cocaine cocaine hydrochloride l-Cocaine hydrochloride	Catalogue Number:	C1920976
Synonyms:	N/A	Lot Number:	0319-SA-7174
CAS Number:	53-21-4	Expiry Date:	Mar 18, 29
Molecular Formula:	C ₁₇ H ₂₇ NO ₄ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	309.40 36.46		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Solid
Identification:	LC&HNMR	Confirmed
Purity:	HPLC	97.791%

Signature:

Prepared by:

Lisa

Reviewed by:

Yuki

Approved by General Manager:

David

Date: Mar 19, 25

Date: Mar 19, 25

Date: Mar 19, 25



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Directions:

1. *Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
2. *Minimum sample size: 1mg is recommended as the minimum sample size.*
3. *Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
4. *Instructions for handling and correct use: Handling in a well-ventilated place.*

Document Version:

Revision No.	Date	Reason for Revision
01	Mar 19, 25	First release.

