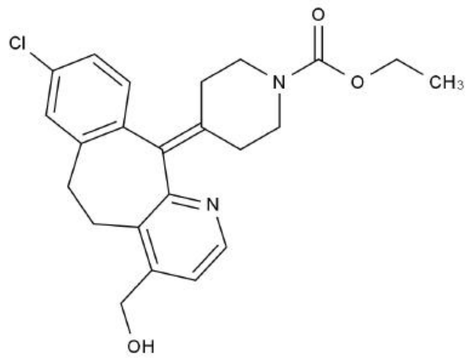
Certificate of Analysis

Reference Material & Standard

Product Name:	ethyl 4-(8-chloro-4-(hydroxymethyl)-5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)piperidine-1-carboxylate	**Catalogue Number:**	C4X-142610
Synonyms:	N/A	**Lot Number:**	0928-RH-0043
CAS Number:	609806-40-8	**Expiry Date:**	Sep 29, 2030
Molecular Formula:	$C_{23}H_{25}ClN_2O_3$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	412.91	**Shipping Condition:**	Shipping with Ice Packs
Solubility:	DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.692%
Loss on Drying	TGA	1.0846%
Assay	Mass Balance	94.7%

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.

CATO Research Chemicals Inc.

Signature:

Prepared by: Alice Date: Sep 30, 2026

Reviewed by: Koi Date: Sep 30, 2026

Approved by General Manager: David Date: Sep 30, 2026

CATO Research Chemicals Inc.