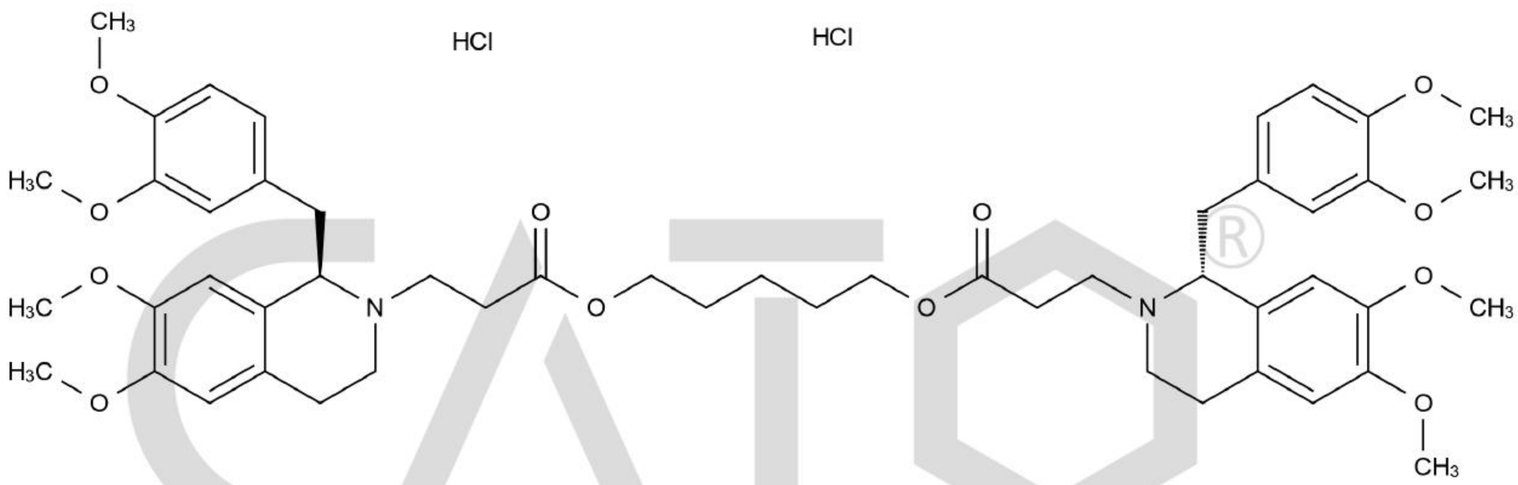
Certificate of Analysis

Reference Material & Standard

Product Name:	Cisatracurium Besilate EP Impurity R DiHCl	**Catalogue Number:**	C4X-1850112
Synonyms:	N/A	**Lot Number:**	0831-RH-0031
CAS Number:	N/A	**Expiry Date:**	Aug 30, 2030
Molecular Formula:	$C_{51}H_{66}N_2O_{12}$ 2*HCl	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	899.08 2*36.46	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	96.23%
Loss on Drying	TGA	2.5609%
Assay		93.8%

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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: Date: Sep 03, 2026

Reviewed by: Date: Sep 04, 2026

Approved by General Manager: Date: Sep 04, 2026

CATO Research Chemicals Inc.