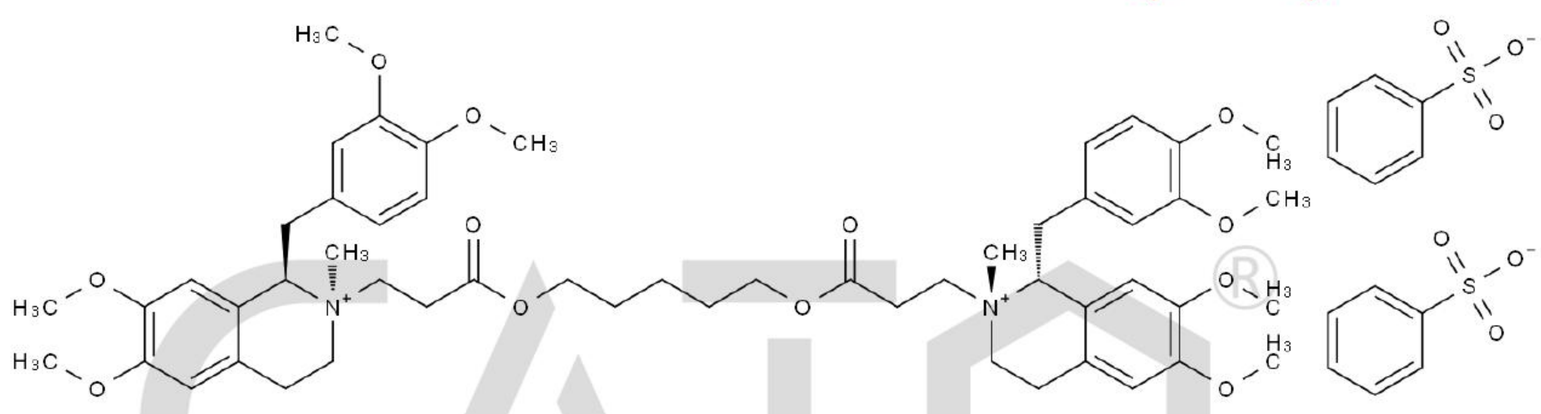
Certificate of Analysis

Reference Material & Standard

Product Name:	Cis-Atracurium Besylate	**Catalogue Number:**	C4X-1850
Synonyms:	N/A	**Lot Number:**	1025-RH-0054
CAS Number:	96946-42-8	**Expiry Date:**	Oct 26, 2030
Molecular Formula:	$C_{53}H_{72}N_2O_{12}$ 2*$C_6H_5O_3S$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	929.14 2*157.17	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.948%
Residue on Ignition	TGA	1.2491%
Loss on Drying	TGA	1.3379%
Assay	qNMR	96.3%
Assay (Assigned Value)	Mass Balance	96.4%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Alice Date: Nov 10, 2026

Reviewed by: Lisa Date: Nov 10, 2026

Approved by General Manager: David Date: Nov 10, 2026

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