Certificate of Analysis

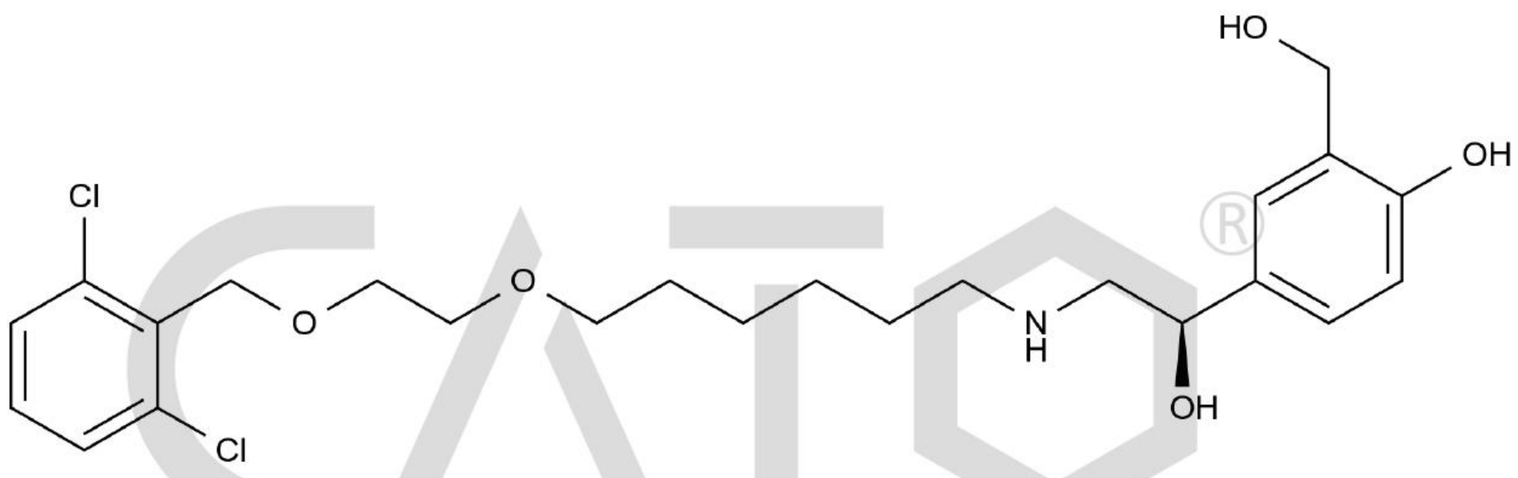
Reference Material & Standard

Product Name:	Vilanterol	**Catalogue Number:**	C1911304
Synonyms:	N/A	**Lot Number:**	0930-RG-0009
CAS Number:	503068-34-6	**Expiry Date:**	Oct 12, 2029
Molecular Formula:	$C_{24}H_{33}Cl_2NO_5$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	486.43	**Shipping Condition:**	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Sticky Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.723%
Residue on Ignition	TGA	3.3437%
Loss on Drying	TGA	0.2816%
Assay		94.2%

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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: Oct 13, 2025

Reviewed by: Koi — Date: Oct 13, 2025

Approved by General Manager: David — Date: Oct 13, 2025

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