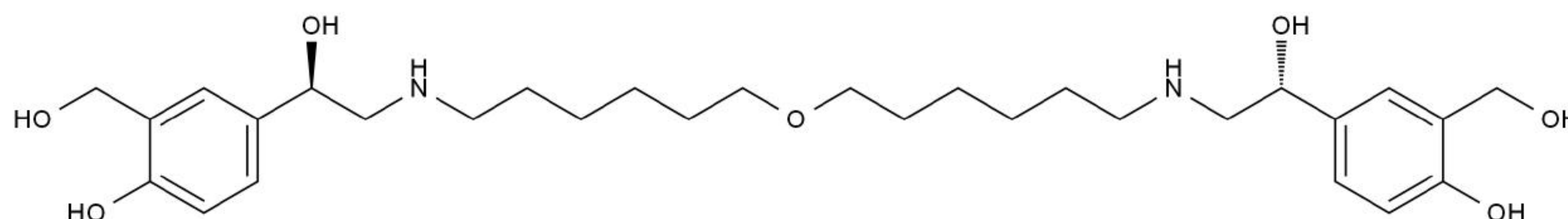


Certificate of Analysis

Reference Material & Standard

Product Name:	Vilanterol Impurity 51	Catalogue Number:	C4X-193551
Synonyms:	N/A	Lot Number:	0312-RH-0056
CAS Number:	N/A	Expiry Date:	Mar 16, 2030
Molecular Formula:	C ₃₀ H ₄₈ N ₂ O ₇	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	548.71	Shipping Condition:	Shipping at Room Temperature
Solubility:	DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.792%
Loss On Drying	TGA	0.8075%
Assay		97.0%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Mar 17, 2026

Date: Mar 17, 2026

Date: Mar 17, 2026



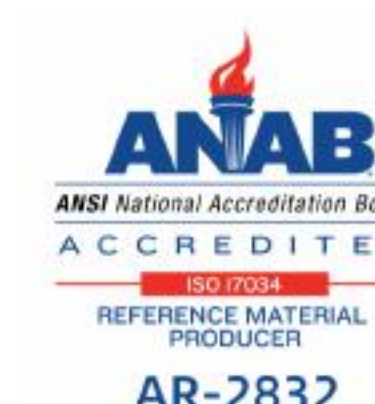
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

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