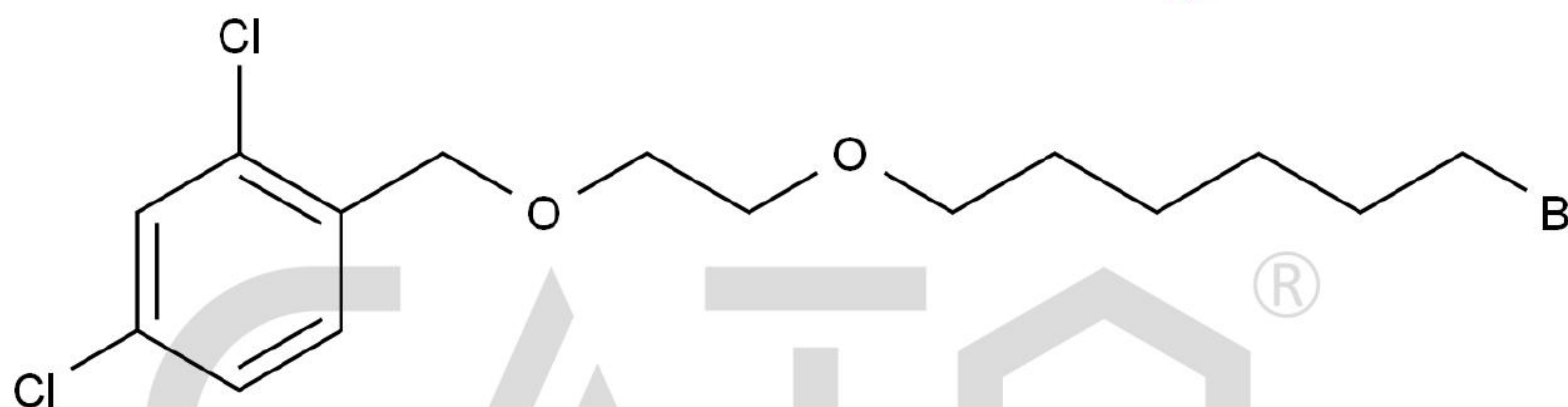


Certificate of Analysis

Reference Material & Standard

Product Name:	Vilanterol Impurity 14	Catalogue Number:	C4X-193514
Synonyms:	N/A	Lot Number:	0410-RH-0131
CAS Number:	N/A	Expiry Date:	May 11, 2030
Molecular Formula:	C ₁₅ H ₂₁ BrCl ₂ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	384.14	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	97.212%
Loss on Drying	TGA	0.2107%
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: May 12, 2026

Date: May 12, 2026

Date: May 12, 2026



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