

Certificate of Analysis

Reference Material & Standard

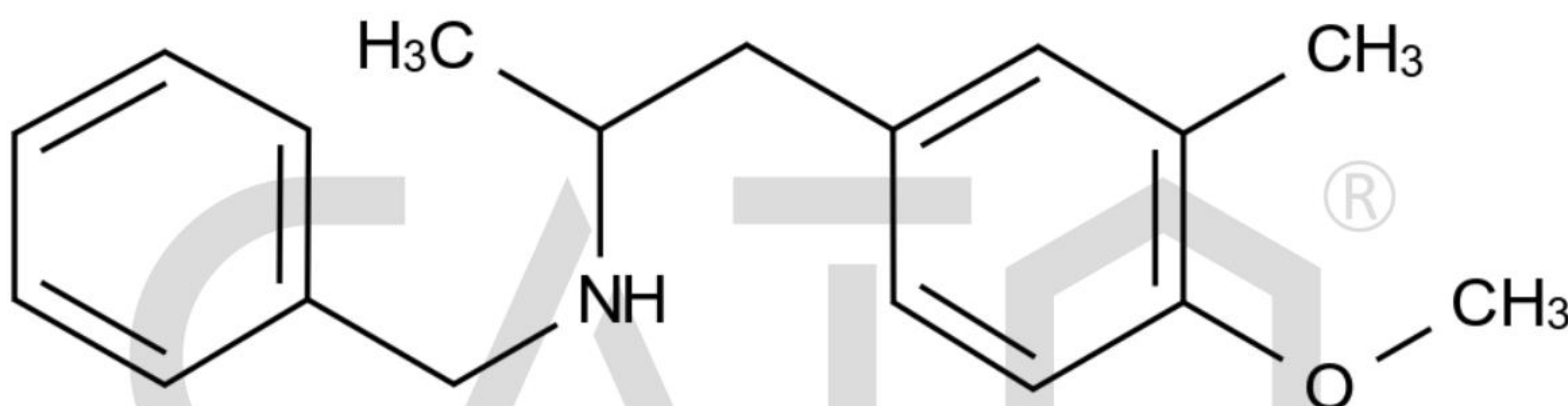
Product Name:	Formoterol Impurity 51 HCl	Catalogue Number:	C4X-152551
Synonyms:	N/A	Lot Number:	1223-RG-0016
CAS Number:	2386293-34-9(Free Base)	Expiry Date:	Dec 18, 2029
Molecular Formula:	C ₁₈ H ₂₃ NO HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	269.38 36.46	Shipping Condition:	Shipping at Room Temperature

Warning:



HCl

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.1848%
Loss On Drying	TGA	0.011%
Assay		99.2%

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:

Hin Lam

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Dec 24, 2025

Date: Dec 24, 2025

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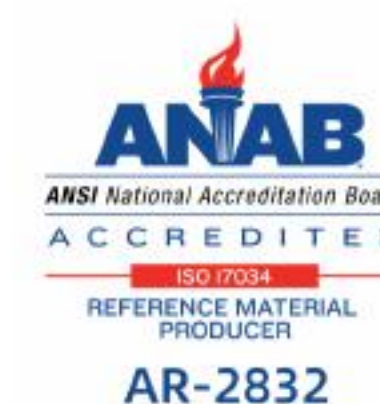
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