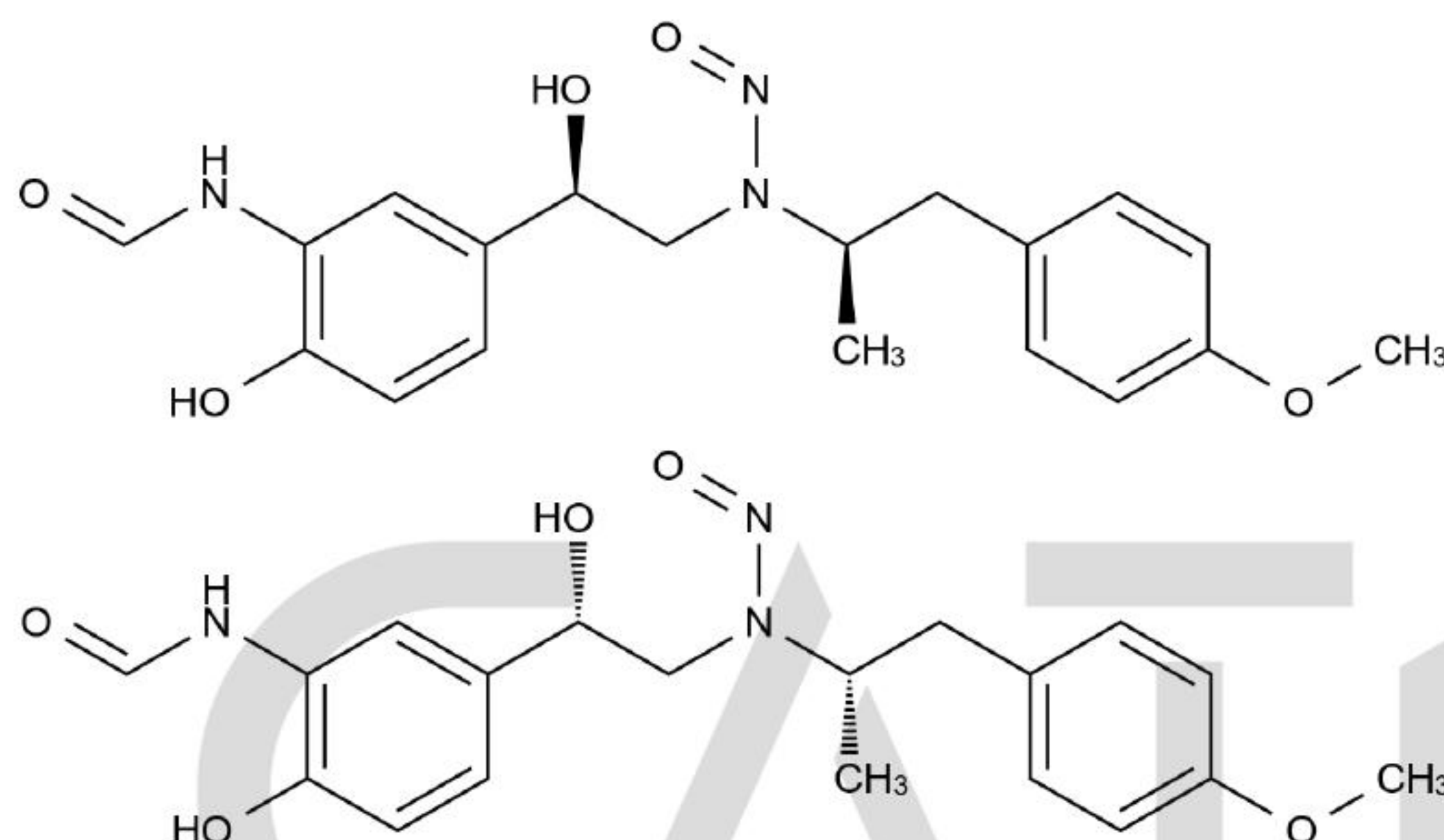


Certificate of Analysis

Reference Material & Standard

Product Name:	N-Nitroso Formoterol	Catalogue Number:	C4X-152585
Synonyms:	N/A	Lot Number:	1216-RF-0007
CAS Number:	N/A	Expiry Date:	Sep 04, 2027
Molecular Formula:	2*C19H23N3O5	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	2*373.40		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.195%
Water Content	Karl Fischer	0.42%
Residual Solvents	NMR	0.52% ethyl acetate 0.19% dichloromethane
Assay		98.1%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Dec 16, 2024

Date: Dec 16, 2024

Date: Dec 16, 2024

