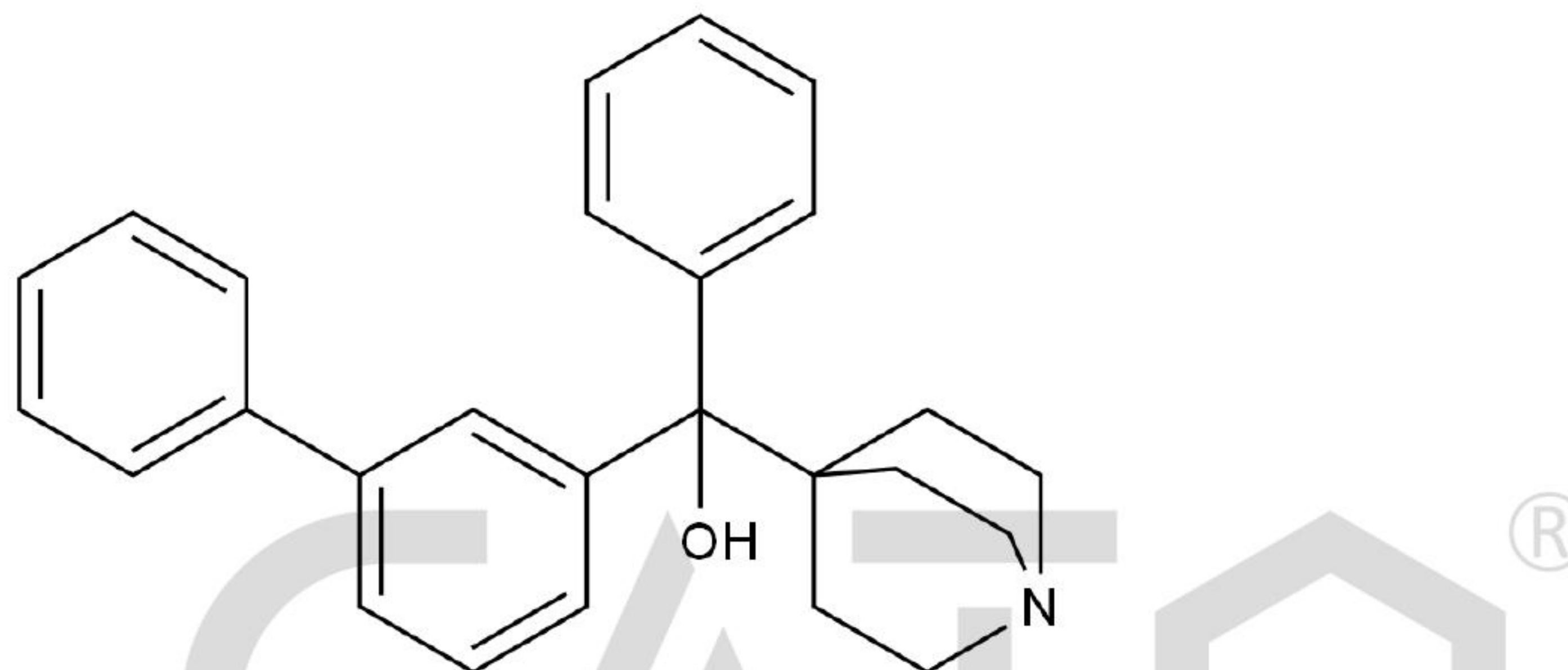


Certificate of Analysis

Reference Material

Product Name:	Umeclidinium Impurity 18	Catalogue Number:	C4X-133918
Chemical Name:	N/A	Lot Number:	0526-RE-0019
CAS Number:	2253743-32-5	Expiry Date:	Jun 01, 2026
Molecular Formula:	C ₂₆ H ₂₇ NO	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	369.50		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	HRMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	0.1558%
Assay		99.8%

Comment:

The calculation of the 100% 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:

Nacy

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Jun 02, 2023

Date: Jun 09, 2023

Date: Jun 09, 2023

