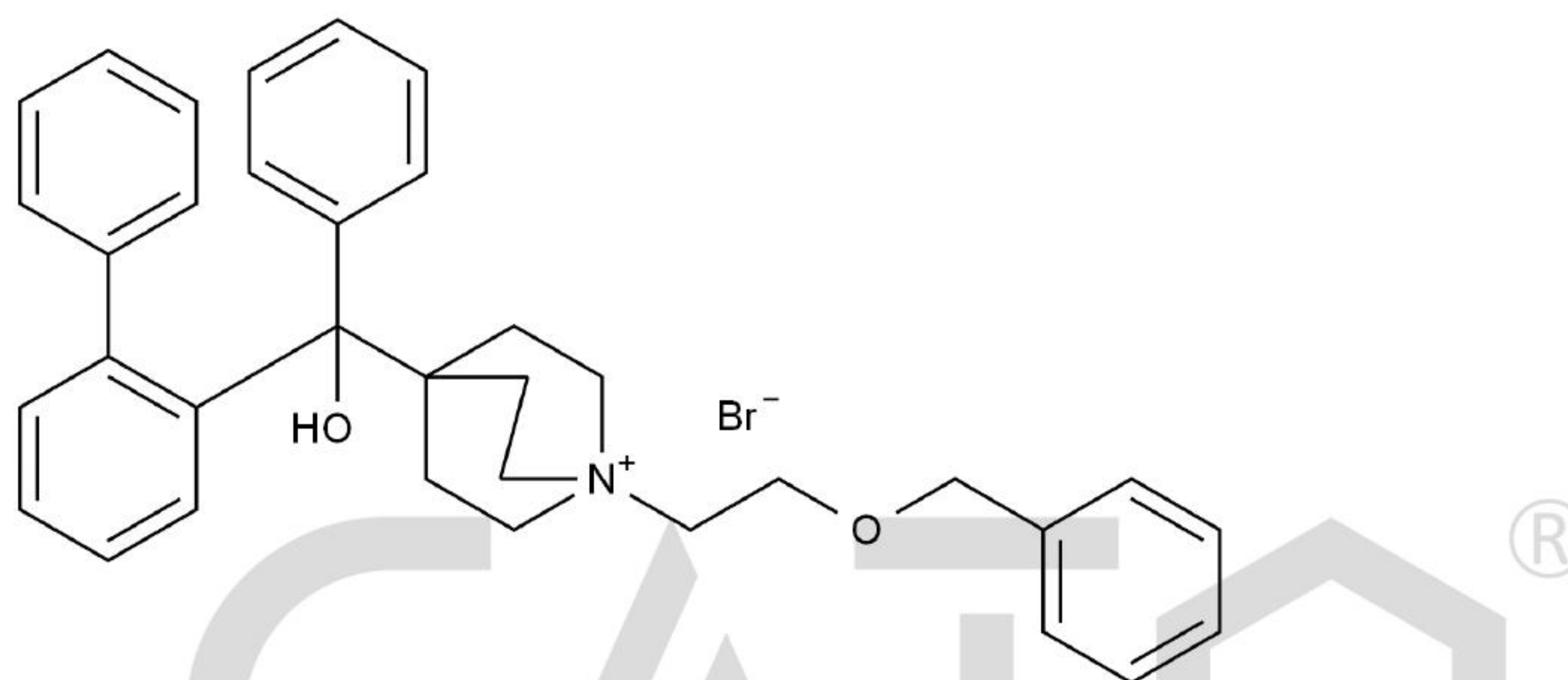


Certificate of Analysis

Reference Material

Product Name:	Umeclidinium Impurity 13	Catalogue Number:	C4X-133913
Chemical Name:	N/A	Lot Number:	0526-RE-0021
CAS Number:	2253743-36-9	Expiry Date:	May 31, 2026
Molecular Formula:	C35H38NO2 Br	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	504.68 79.90		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	HRMS&HNMR	Confirmed
Purity	HPLC	99.1541%
Loss On Drying	TGA	0.1683%
Assay		99.0%

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:

Hinlam

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Jun 01, 2023

Date: Jun 08, 2023

Date: Jun 08, 2023

