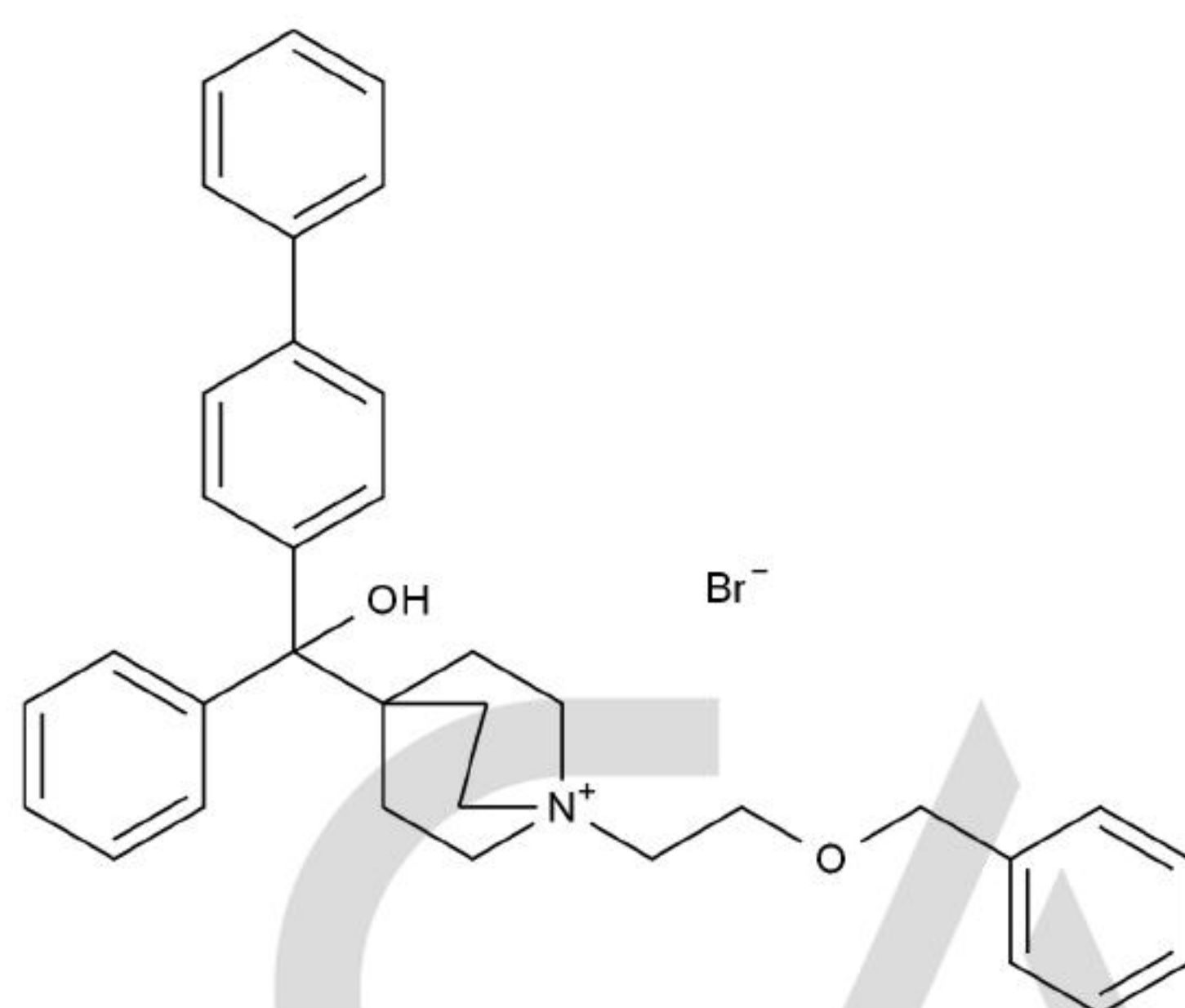


Certificate of Analysis

Reference Material

Product Name:	Umeclidinium Impurity 12	Catalogue Number:	C4X-133912
Chemical Name:	N/A	Lot Number:	0518-RE-0055
CAS Number:	N/A	Expiry Date:	May 21, 2026
Molecular Formula:	C ₃₅ H ₃₈ NO ₂ Br	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	504.68 79.90		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.0%
Assay	qNMR	97.8%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Nacy

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: May 22, 2023

Date: May 29, 2023

Date: May 29, 2023

