

Certificate of Analysis

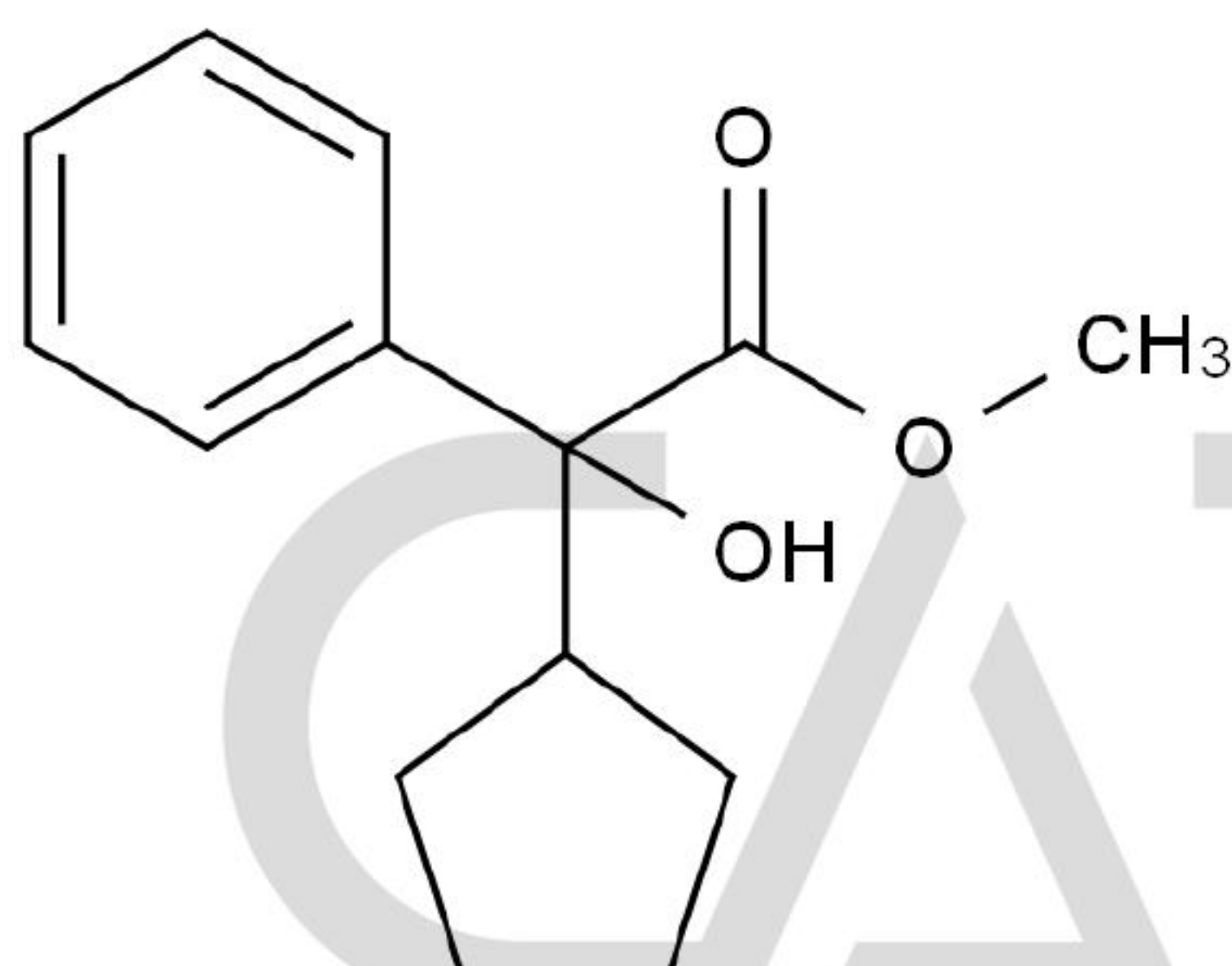
Reference Material & Standard

Product Name:	Glycopyrronium Bromide EP Impurity L	Catalogue Number:	C4X-14312
Synonyms:	Glycopyrronium Bromide EP Impurity L	Lot Number:	0716-RB-0003
CAS Number:	19833-96-6	Expiry Date:	Apr 28, 2027
Molecular Formula:	C ₁₄ H ₁₈ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	234.29	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.1198%
Loss on Drying	TGA	2.6203%
Assay		95.5%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Dec 16, 2024

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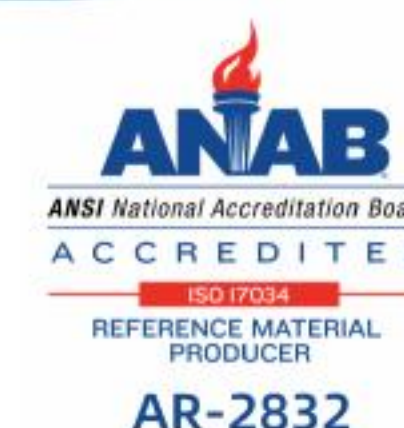
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