

Certificate of Analysis

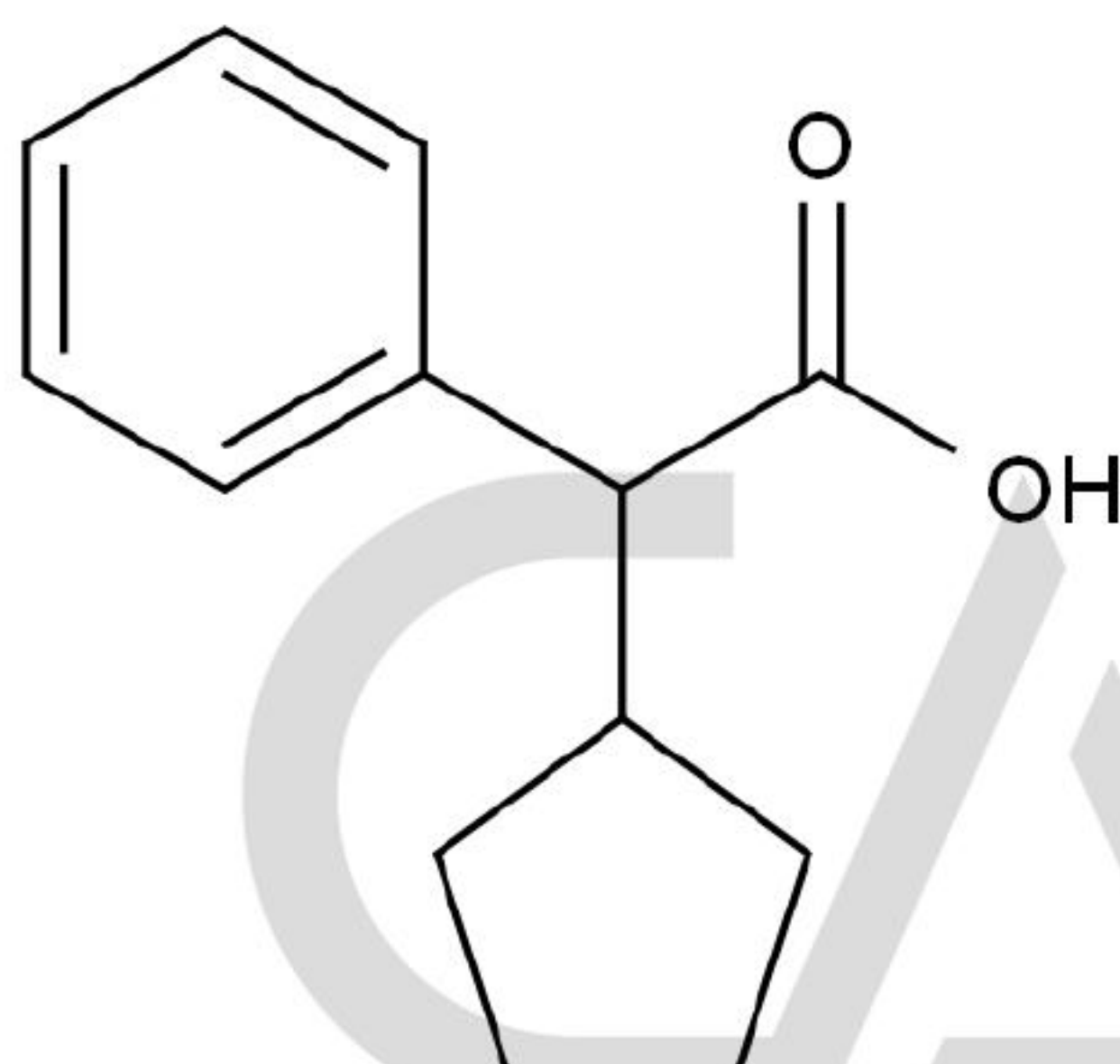
Reference Material & Standard

Product Name:	Glycopyrronium Bromide EP Impurity K	Catalogue Number:	C4X-14315
Synonyms:	Glycopyrronium Bromide EP Impurity K	Lot Number:	1217-RF-0014
CAS Number:	3900-93-4	Expiry Date:	Dec 15, 2027
Molecular Formula:	C ₁₃ H ₁₆ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	204.26	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.118%
Loss on Drying	TGA	0.2269%
Assay		97.9%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Dec 16, 2024

Date: Dec 17, 2024

Date: Dec 17, 2024



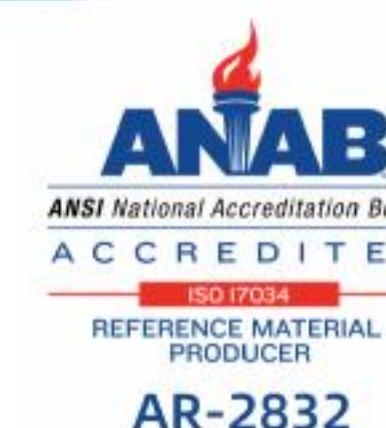
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