

Certificate of Analysis

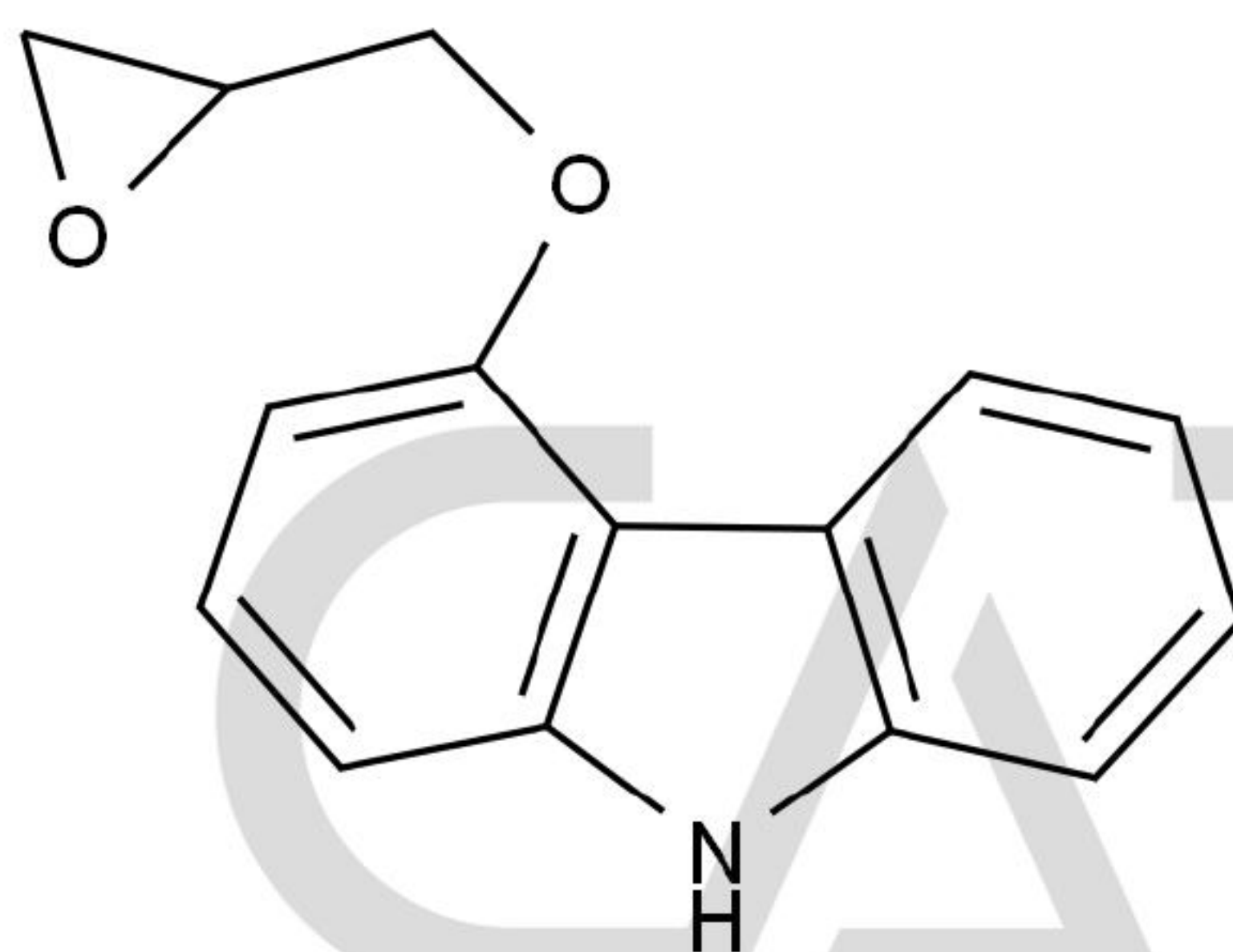
Reference Material & Standard

Product Name:	Carvedilol USP Related Compound D	Catalogue Number:	C4X-15744
Synonyms:	N/A	Lot Number:	0801-RF-0072
CAS Number:	51997-51-4	Expiry Date:	Sep 22, 2029
Molecular Formula:	C ₁₅ H ₁₃ NO ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	239.27	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.807%
Water Content	Karl Fischer	0.1582%
Assay		99.6%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content) * Purity HPLC (%) / 100%

Water Content 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: Sep 23, 2025

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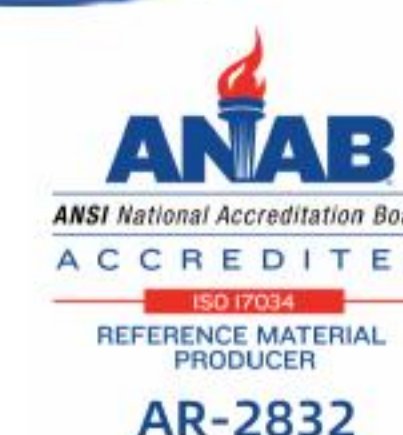
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