

Certificate of Analysis

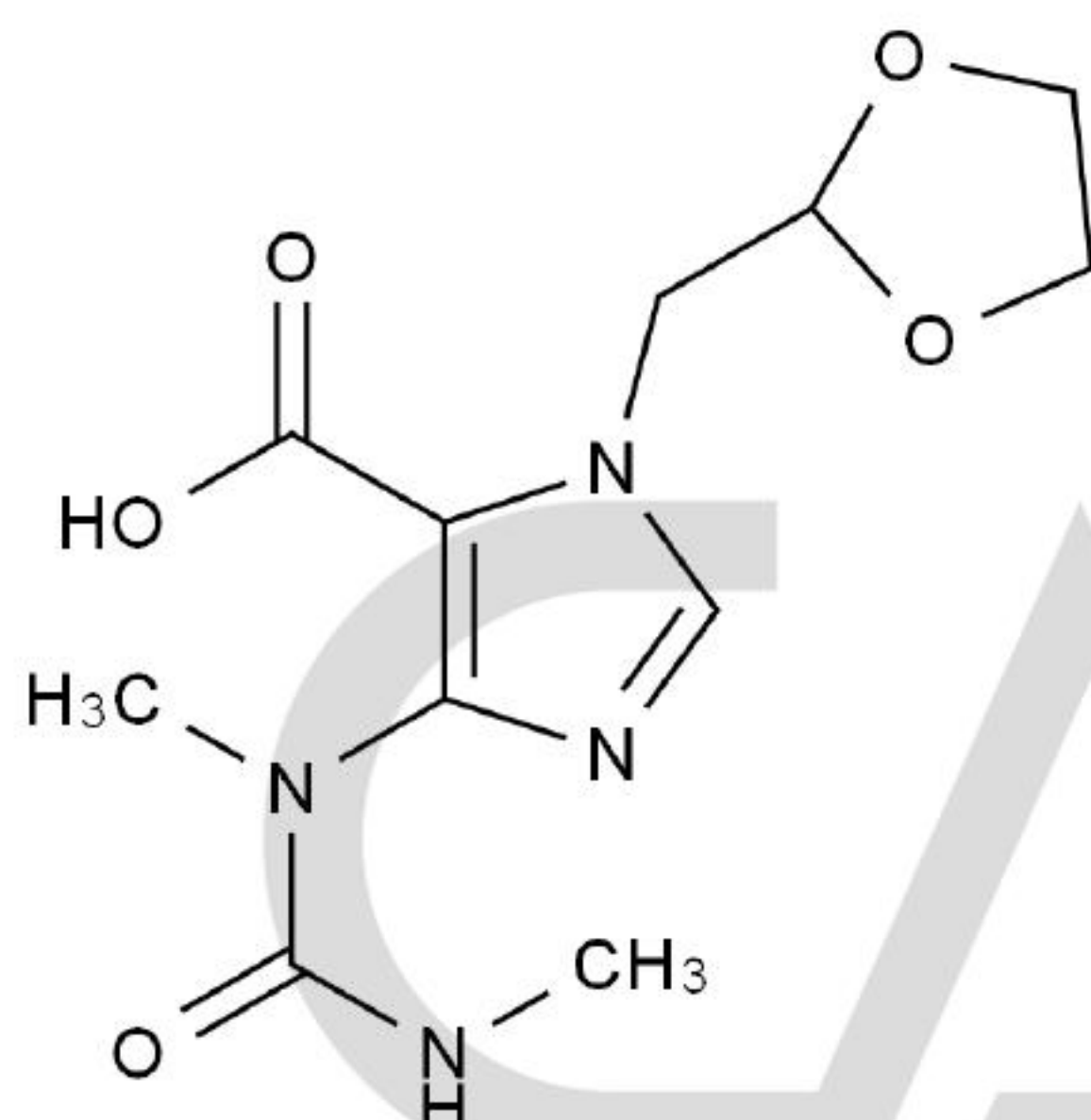
Reference Material & Standard

Product Name:	Doxofylline Impurity 4	Catalogue Number:	C4X-15134
Synonyms:	N/A	Lot Number:	1230-RF-0031
CAS Number:	2095554-12-2	Expiry Date:	Nov 24, 2027
Molecular Formula:	C ₁₁ H ₁₆ N ₄ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	284.27	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.514%
Water Content	Karl Fischer	1.13%
Residual Solvents	NMR	2.31% ethyl acetate and 0.93% acetonitrile
Assay		95.2%

Comment:

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

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

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

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Reviewed by:

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Approved by General Manager:

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Date: Dec 24, 2025

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