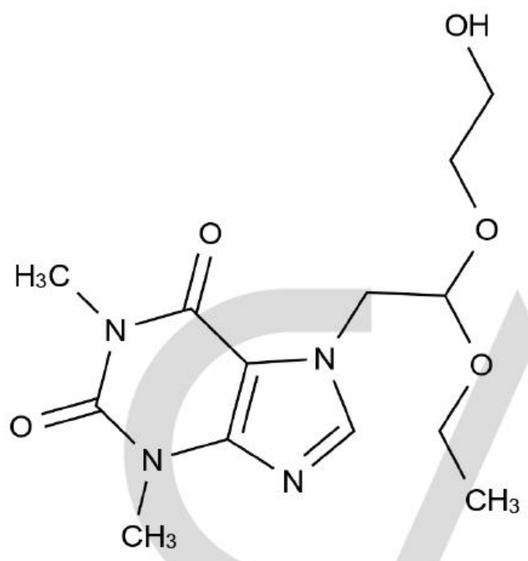
Certificate of Analysis

Reference Material & Standard

Product Name:	Doxofylline Impurity 41	**Catalogue Number:**	C4X-151341
Synonyms:	N/A	**Lot Number:**	1102-RH-0085
CAS Number:	N/A	**Expiry Date:**	Nov 04, 2030
Molecular Formula:	$C_{13}H_{20}N_4O_5$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	312.32	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.720%
Loss on Drying	TGA	0.3492%
Assay	Mass Balance	96.4%

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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: Alice Date: Nov 05, 2026

Reviewed by: Koi Date: Nov 05, 2026

Approved by General Manager: David Date: Nov 05, 2026

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