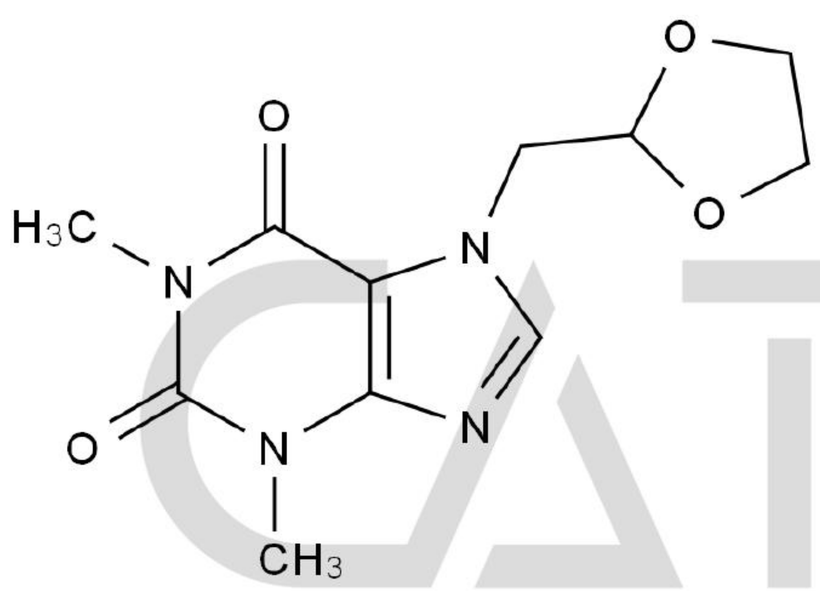
Certificate of Analysis

Reference Material & Standard

Product Name:	Doxofylline	**Catalogue Number:**	C4X-1513
Synonyms:	N/A	**Lot Number:**	1112-RH-0050
CAS Number:	69975-86-6	**Expiry Date:**	Nov 16, 2030
Molecular Formula:	$C_{11}H_{14}N_4O_4$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	266.25	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.891%
Residue on Ignition	TGA	0.4183%
Loss on Drying	TGA	0.0469%
Assay	qNMR	98.8%
Assay (Assigned Value)	Mass Balance	99.4%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Alice — Date: Nov 17, 2026

Reviewed by: Koi — Date: Nov 17, 2026

Approved by General Manager: David — Date: Nov 17, 2026

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