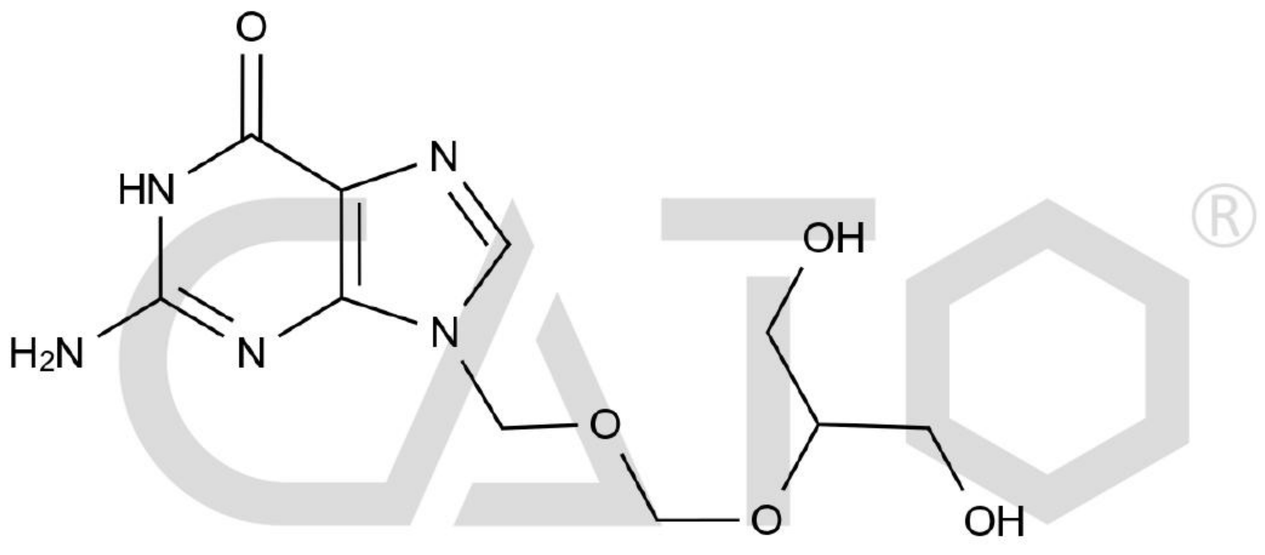
Certificate of Analysis

Reference Material & Standard

Product Name:	Ganciclovir EP Impurity D	**Catalogue Number:**	C4X-10214
Synonyms:	N/A	**Lot Number:**	0927-RH-0061
CAS Number:	N/A	**Expiry Date:**	Feb 10, 2030
Molecular Formula:	$C_{10}H_{15}N_5O_5$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	285.26	**Shipping Condition:**	Shipping with Ice Packs
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	99.451%
Water Content	Karl Fischer	0.10%
Residual Solvents	NMR	0.07% acetonitrile
Assay		99.3%

CATO Research Chemicals Inc.

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:

Prepared by: Date: Sep 29, 2026

Reviewed by: Date: Sep 29, 2026

Approved by General Manager: Date: Sep 29, 2026