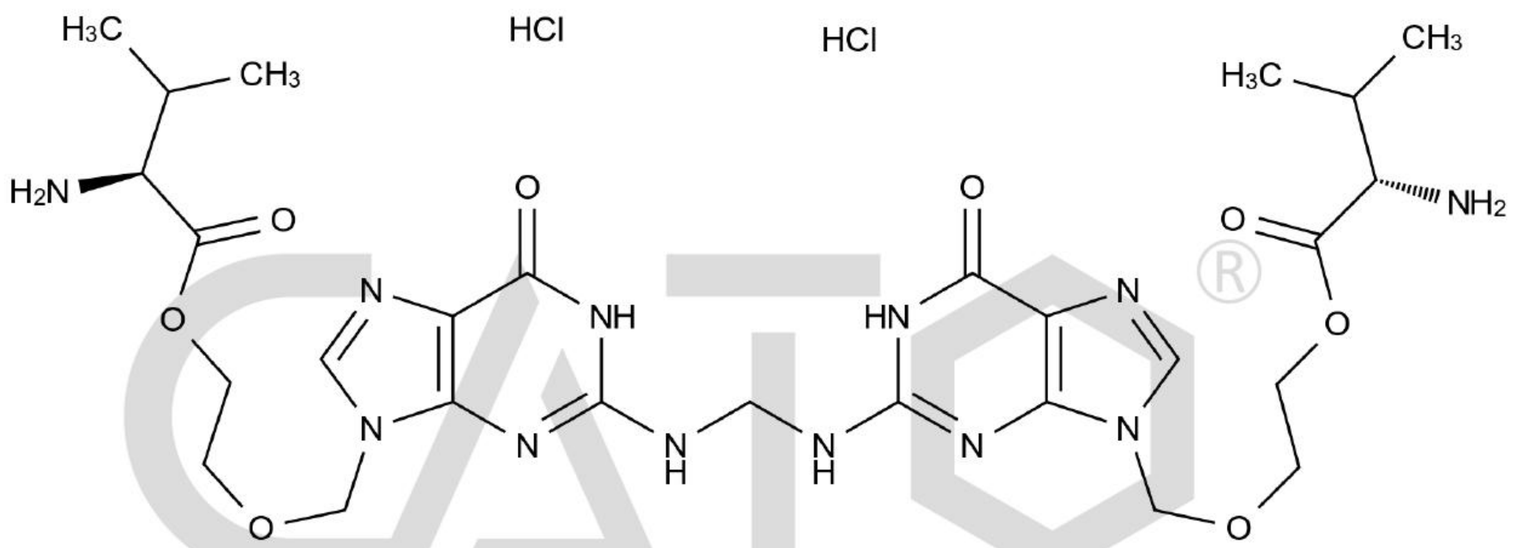
Certificate of Analysis

Reference Material & Standard

Product Name:	Valaciclovir EP Impurity P 2HCl	**Catalogue Number:**	C4X-124854
Synonyms:	N/A	**Lot Number:**	1128-RG-0108
CAS Number:	1356019-51-6(free base)	**Expiry Date:**	Aug 21, 2029
Molecular Formula:	$C_{27}H_{40}N_{12}O_8$ 2*HCl	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	660.68 2*36.46	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&UV&CNMR&HNMR	Confirmed
Purity	HPLC	97.786%
Water Content	Karl Fischer	2.41%
Residual Solvents	NMR	0.27% dichloromethane
Assay	Mass Balance	95.2%

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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: Nov 26, 2026

Reviewed by: Date: Nov 26, 2026

Approved by General Manager: Date: Nov 26, 2026

CATO Research Chemicals Inc.