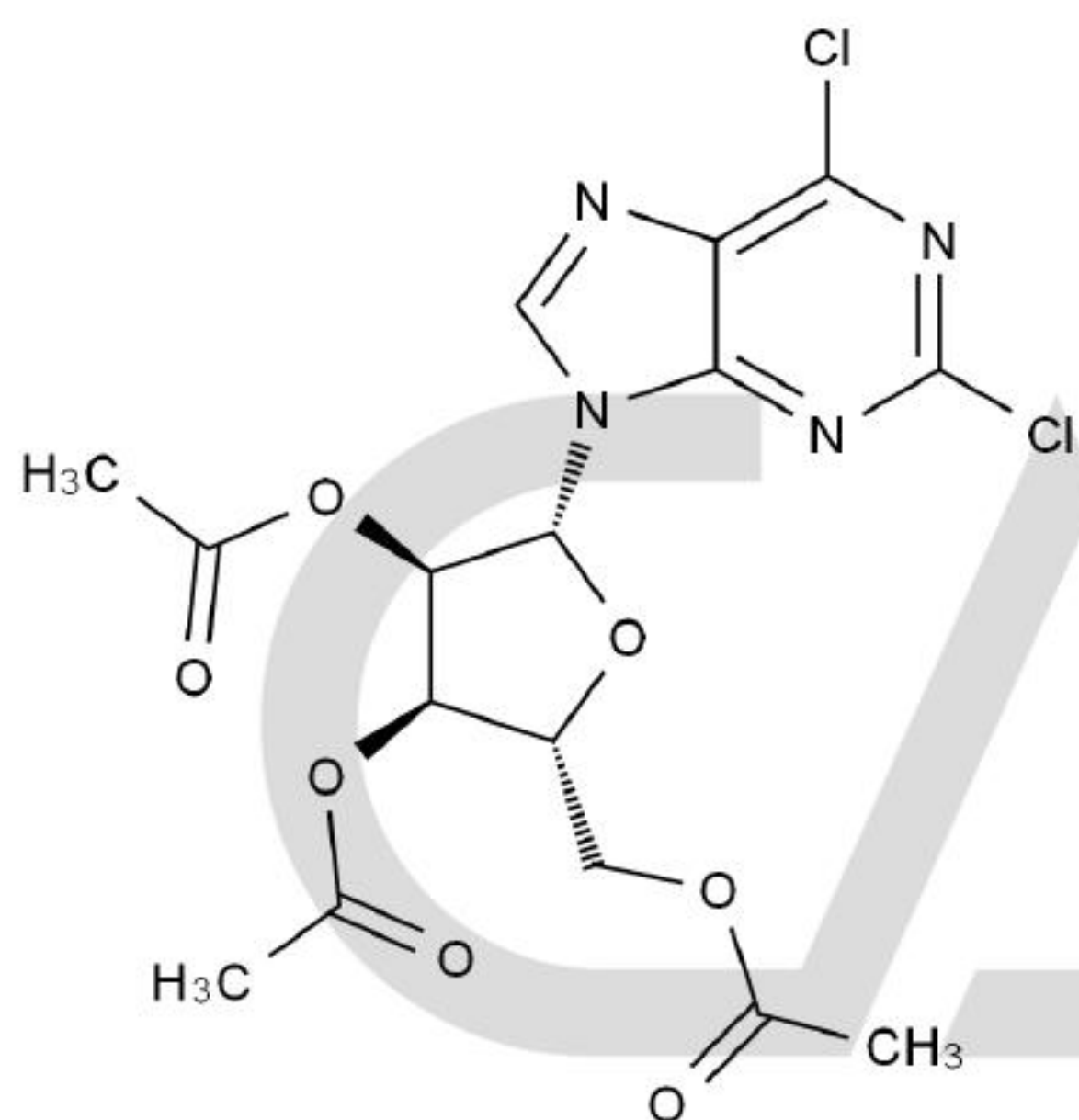


Certificate of Analysis

Reference Material & Standard

Product Name:	Sitagliptin Impurity 74	Catalogue Number:	C4X-114474
Synonyms:	[(2R,3R,4R,5R)-3,4-diacetyloxy-5-(2,6-dichloropurin-9-yl)oxolan-2-yl]methyl acetate	Lot Number:	0617-RG-0058
CAS Number:	3056-18-6	Expiry Date:	Jun 18, 2028
Molecular Formula:	C ₁₆ H ₁₆ Cl ₂ N ₄ O ₇	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	447.23	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.859%
Loss On Drying	TGA	0.0290%
Assay		98.8%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$
 Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jun 19, 2025

Date: Jun 19, 2025

Date: Jun 19, 2025

