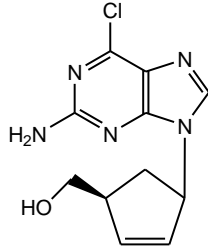


CERTIFICATE OF ANALYSIS

Product Name: (1S,4R)-4-(2-amino-6-chloro-9H-purin-9-yl)-2-Cyclopentene-1-methanol

Structure:



CAS Number: 136522-33-3
 Molecular Formula: C₁₁H₁₂ClN₅O
 Molecular Weight: 265.70
 Batch No.: 160801
 Quantity: 50kg
 Manufacturing Date: Aug 13,2016
 Retest Date: Aug 13,2018
 Storage: Store in airtight containers

Tests and Methods	Specifications	Results
Appearance	White to almost white powder	Conforms
Identity		
1)HPLC 2)IR	Identical Identical	Identical Identical
Specific optical rotation	$[\alpha]_D^{20}$: -112°~-118°(c=0.27)	-116°
Water Content	NMT 0.5%	0.24%
Related Substances		
(+)-Enantiomer	NMT 0.2%	Not detected
Any other impurity	NMT 1.0%	0.17%
Total impurity	NMT 3.0%	0.59%
Loss on drying	NMT 3.0%	1.12%
Assay (on anhydrous and solvent free basis)	NLT 97.0%	99.8%
Conclusion: conforms to the requirement of enterprise standard.		

Rep. Date: Aug.20, 2016

Check by: 张勇

Analysis by: 张艳珍

