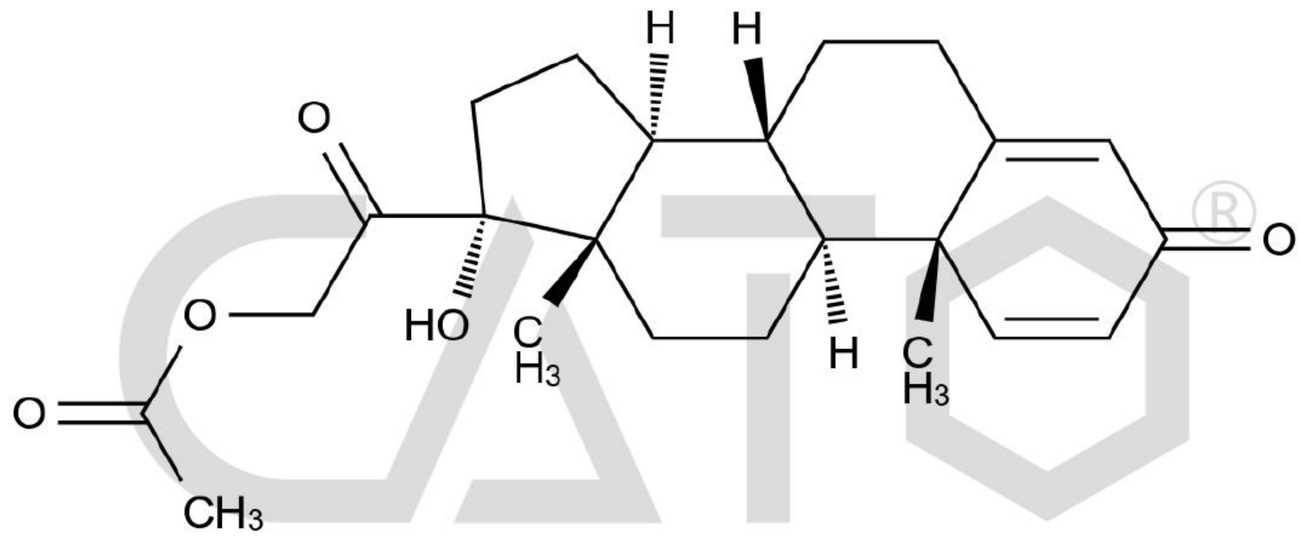
Certificate of Analysis

Reference Material & Standard

Product Name:	Prednisone Impurity N297	**Catalogue Number:**	C1165297
Synonyms:	N/A	**Lot Number:**	1010-RH-0076
CAS Number:	1249-67-8	**Expiry Date:**	Sep 20, 2030
Molecular Formula:	$C_{23}H_{30}O_5$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	386.48	**Shipping Condition:**	Shipping with Ice Packs
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.90%
Loss on Drying	TGA	1.8017%
Assay	Mass Balance	98.1%

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Comment:

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

Signature:

Prepared by: Date: Oct 14, 2026

Reviewed by: Date: Oct 15, 2026

Approved by General Manager: Date: Oct 15, 2026

CATO Research Chemicals Inc.