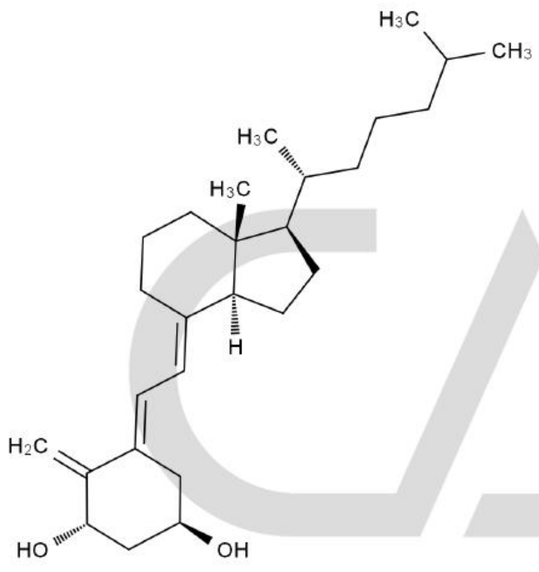
Certificate of Analysis

Reference Material & Standard

Product Name:	Alfacalcidol EP Impurity A	**Catalogue Number:**	C4X-13931
Synonyms:	N/A	**Lot Number:**	0414-RG-0063
CAS Number:	65445-14-9	**Expiry Date:**	Apr 20, 2028
Molecular Formula:	$C_{27}H_{44}O_2$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	400.64	**Shipping Condition:**	Shipping with Ice Packs
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.864%
Loss on Drying	TGA	0.1324%
Assay		99.7%

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: Koji Date: Sep 16, 2026

Reviewed by: Lisa Date: Sep 17, 2026

Approved by General Manager: David Date: Sep 17, 2026

CATO Research Chemicals Inc.