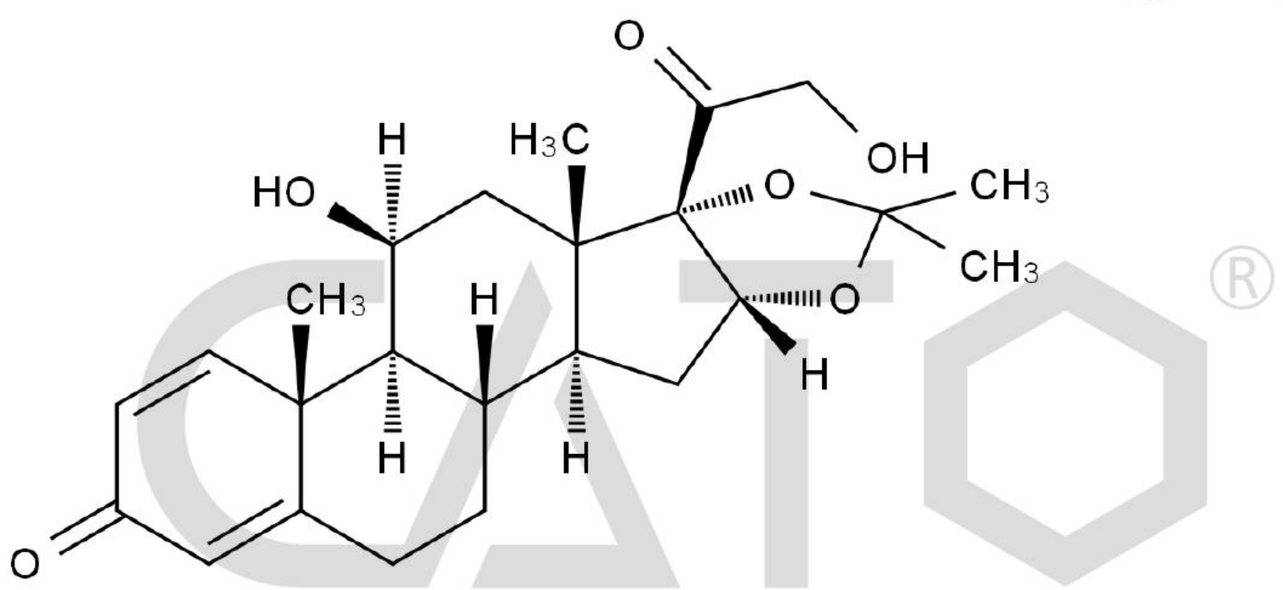
Certificate of Analysis

Reference Material & Standard

Product Name:	Budesonide EP Impurity F(Desonide)	**Catalogue Number:**	C4X-13896
Synonyms:	N/A	**Lot Number:**	1103-RH-0084
CAS Number:	638-94-8	**Expiry Date:**	Nov 02, 2030
Molecular Formula:	$C_{24}H_{32}O_6$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	416.51	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	98.959%
Loss on Drying	TGA	2.0759%
Assay	Mass Balance	96.9%

CATO Research Chemicals Inc.

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: Nov 03, 2026

Reviewed by: Hinlam — Date: Nov 03, 2026

Approved by General Manager: David — Date: Nov 03, 2026

CATO Research Chemicals Inc.