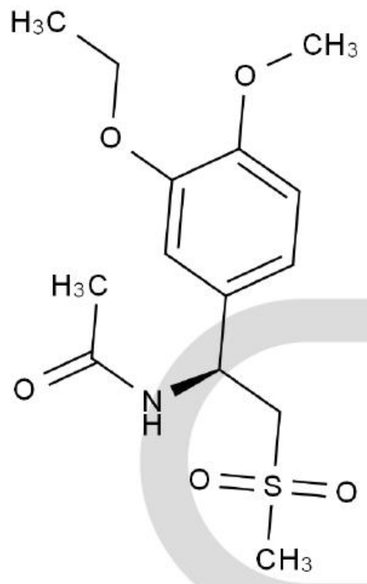
Certificate of Analysis

Reference Material & Standard

Product Name:	Apremilast Impurity 51	**Catalogue Number:**	C4X-100951
Synonyms:	N/A	**Lot Number:**	1016-RH-0022
CAS Number:	2097600-16-1	**Expiry Date:**	Oct 18, 2030
Molecular Formula:	$C_{14}H_{21}NO_5S$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	315.39	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.940%
Loss on Drying	TGA	0.0468%
Assay	Mass Balance	99.9%

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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: Alice Date: Oct 19, 2026

Reviewed by: Koi Date: Oct 20, 2026

Approved by General Manager: David Date: Oct 20, 2026

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