

Certificate of Analysis

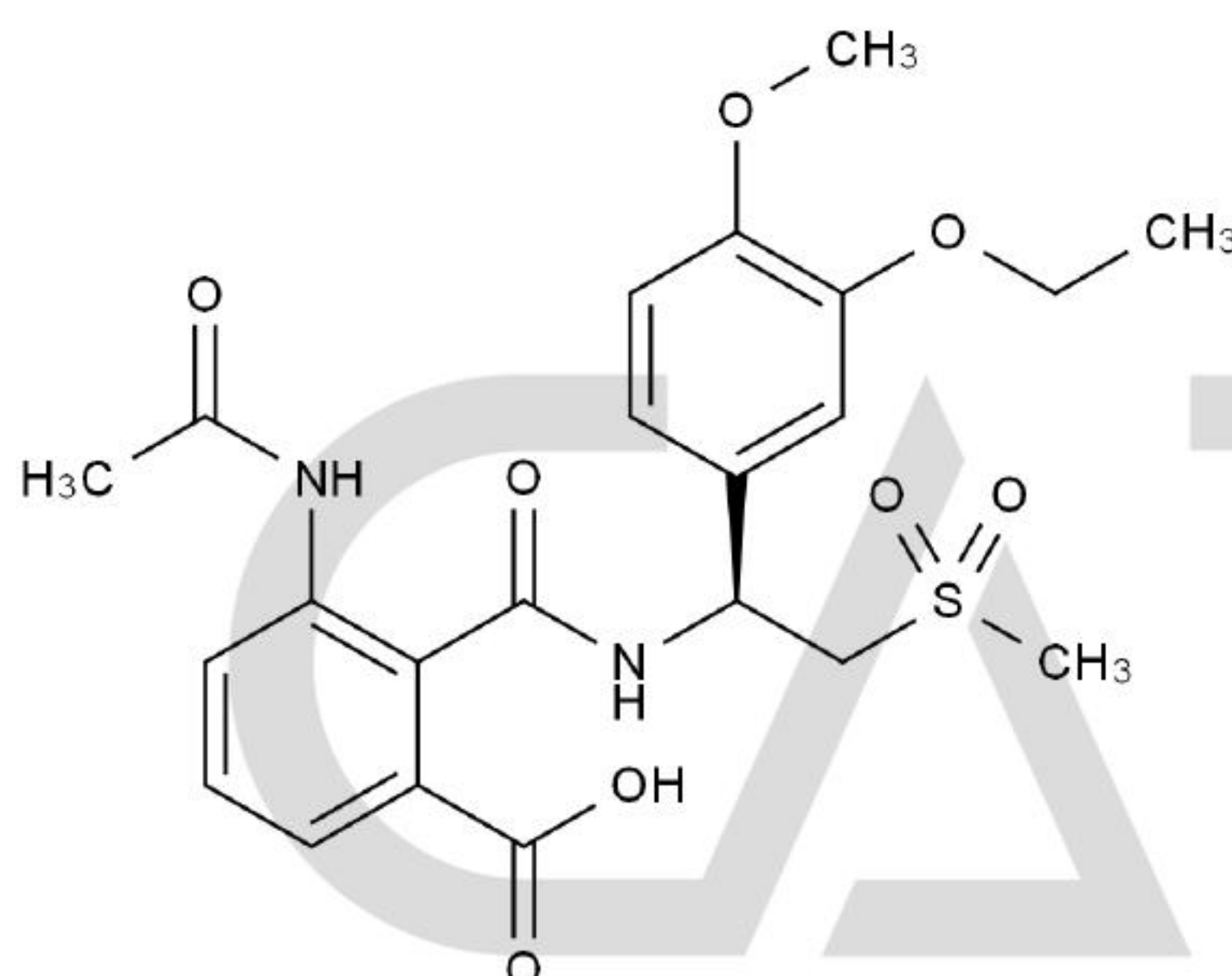
Reference Material & Standard

Product Name:	Apremilast Impurity 7	Catalogue Number:	C4X-10097
Synonyms:	N/A	Lot Number:	0202-RH-0058
CAS Number:	2096492-41-8	Expiry Date:	Sep 17, 2029
Molecular Formula:	C ₂₂ H ₂₆ N ₂ O ₈ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	478.52	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	98.486%
Water Content	Karl Fischer	1.50%
Residual Solvents	NMR	1.87% acetonitrile and 0.88% methyl tertiary butyl ether
Assay		94.3%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Feb 03, 2026

Date: Feb 04, 2026

Date: Feb 04, 2026



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