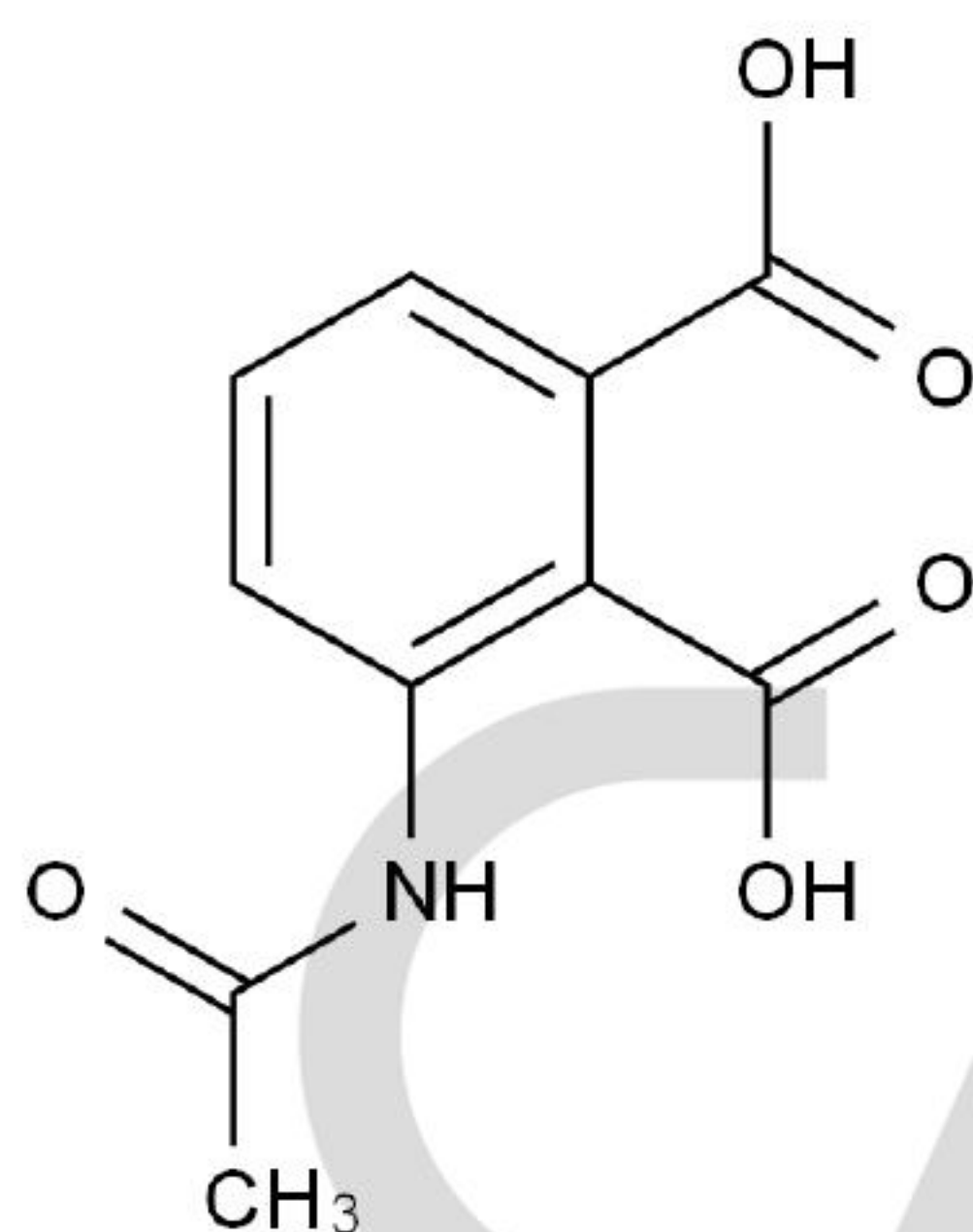


Certificate of Analysis

Reference Material & Standard

Product Name:	Apremilast impurity 11	Catalogue Number:	C4X-100911
Synonyms:	N/A	Lot Number:	1013-RE-0043
CAS Number:	15371-06-9	Expiry Date:	Apr 20, 2028
Molecular Formula:	C ₁₀ H ₉ NO ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	223.18	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.302%
Water Content	Karl Fischer	0.3592%
Assay		98.9%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

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

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Apr 21, 2025

Date: Apr 21, 2025

Date: Apr 21, 2025

