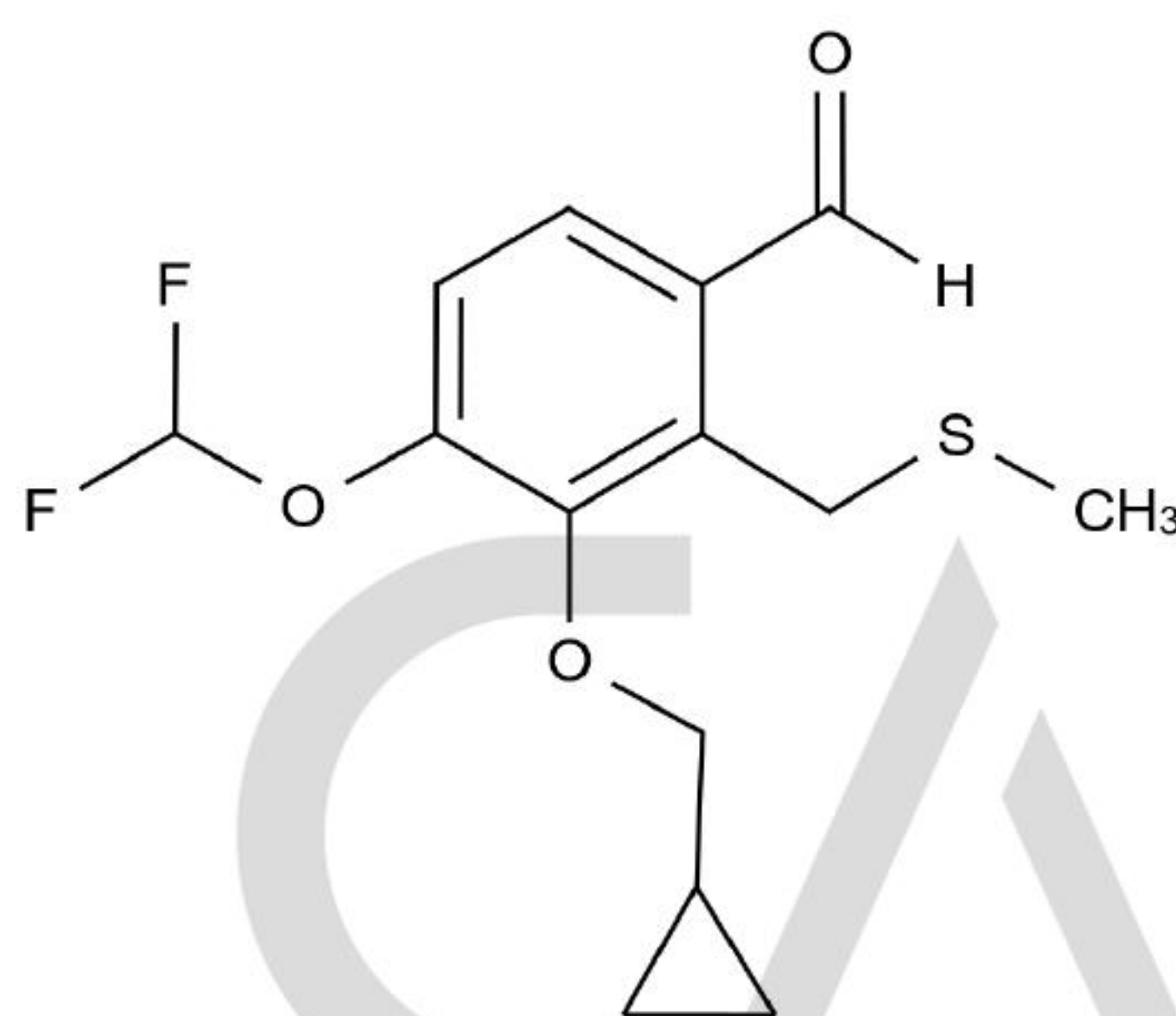


Certificate of Analysis

Reference Material & Standard

Product Name:	Roflumilast Impurity 56	Catalogue Number:	C4X-108456
Synonyms:	N/A	Lot Number:	0226-RH-0095
CAS Number:	N/A	Expiry Date:	Mar 05, 2030
Molecular Formula:	C ₁₄ H ₁₆ F ₂ O ₃ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	302.34	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	99.737%
Loss On Drying	TGA	0.5533%
Assay		99.2%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Mar 06, 2026

Date: Mar 06, 2026

Date: Mar 06, 2026



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