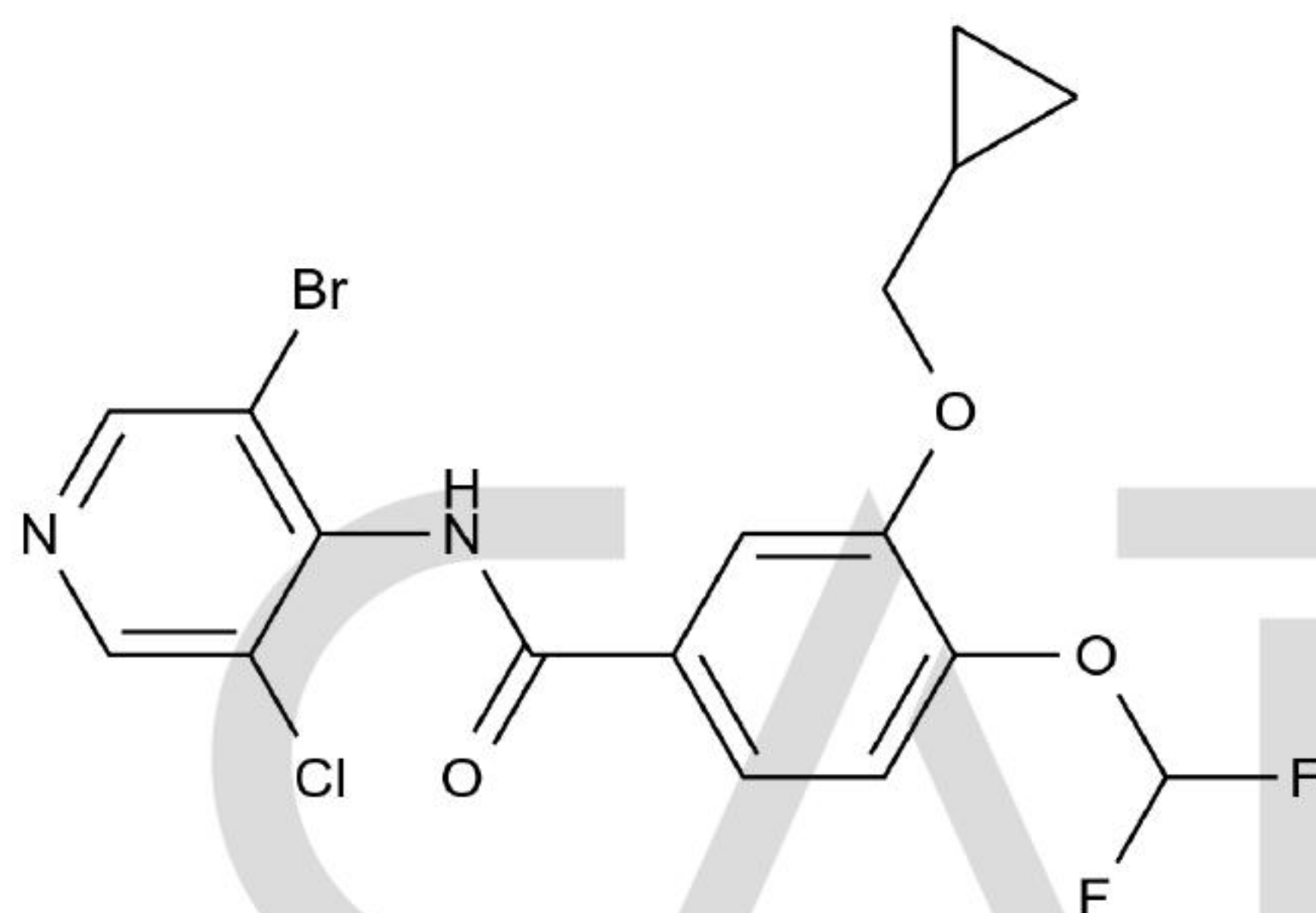


Certificate of Analysis

Reference Material & Standard

Product Name:	Roflumilast USP Related Compound E	Catalogue Number:	C4X-108426
Synonyms:	N/A	Lot Number:	0422-RG-0101
CAS Number:	3031785-18-6	Expiry Date:	Apr 24, 2029
Molecular Formula:	C ₁₇ H ₁₄ BrClF ₂ N ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	447.66	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	100.000%
Loss on Drying	TGA	0.6369%
Assay		99.4%

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: Apr 25, 2025

Date: Apr 25, 2025

Date: Apr 25, 2025



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