

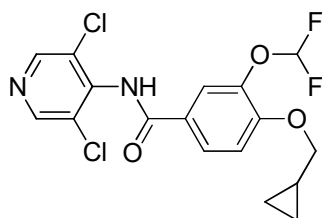
## CERTIFICATE OF ANALYSIS OF REFERENCE STANDARD

Reference Standard

Date:

**Roflumilast Impurity /H-RFLRC05****Catalogue no.: VL640009****Batch No.:**

IUPAC Name: 4-(cyclopropylmethoxy)-N-(3, 5-dichloropyridin-4-yl)-3-(difluoromethoxy) benzamide.

Molecular Formula: C<sub>17</sub>H<sub>14</sub>Cl<sub>2</sub>F<sub>2</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight: 403.21 g/mol

Sr.#	Test	Results	Data ref.
1	Appearance	White Solid	-----
2	Purity by HPLC	91.85%	Chromatogram attached
3	Mass	Conform	Report attached
4	H NMR	Conform	Report attached

**Storage condition:** Store at 2-8 degree, protect from direct sunlight and moisture.

This certificate of analysis is valid for three years from date of manufacturing, provided the substance is stored under suitable conditions.

**Manufacturing date:****Retest Date:****Document data reference:***Prepared by**Reviewed by**Approved by*