

## CERTIFICATE OF ANALYSIS OF REFERENCE STANDARD

Reference Standard

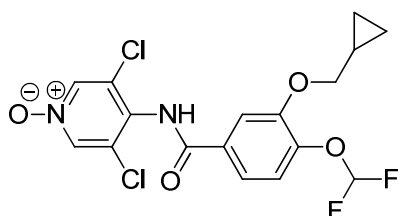
Date:

**Roflumilast Impurity /H-RFLRC04**

**Catalogue no.: VL640008**

**Batch No.:**

IUPAC Name: 3, 5-dichloro-4-(3-(cyclopropylmethoxy)-4-(difluoromethoxy) benzamido) pyridine 1-oxide.



Molecular Formula: C<sub>17</sub>H<sub>14</sub>Cl<sub>2</sub>F<sub>2</sub>N<sub>2</sub>O<sub>4</sub>

Molecular Weight: 419.21 g/mol

Sr.#	Test	Results	Data ref.
1	Appearance	Light Brown Solid Powder	-----
2	Purity by HPLC	90.67%	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*