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CERTIFICATE OF ANALYSIS

Analysis Date:

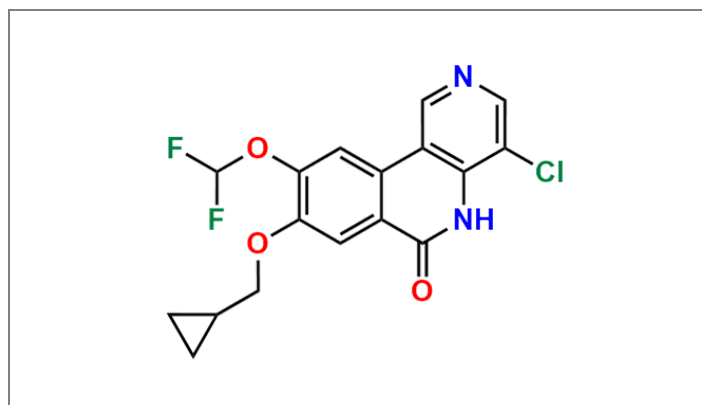
Re-test Date:

Product Name: Roflumilast Cyclized Impurity

Identification:

Chemical Name: 4-chloro-8-(cyclopropylmethoxy)-9-(difluoromethoxy)benzo[c][1,6]naphthyridin-6(5H)-one

Synonyms : NA
CAS Number : 2206607-17-0
CAT Number : CP-R29016
Molecular Formula : C17H13ClFN2O3
Molecular Weight : 366.75



Analytical Information:

| Sr. No. | Test | Result |
|---------|----------------|--------------------------|
| 1) | Description | Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | >95% |
| 5) | H1NMR | Confirm to structure |



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

Ms Rohini Gagare
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.