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## CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2026

Re-test Date: Feb 2029

**Product Name: Alcaftadine Impurity 4**

### Identification:

Chemical Name: (11-(1-Methylpiperidin-4-ylidene)-6,11-dihydro-5H-benzo[d]imidazo[1,2-a]azepin-3-yl)methanol

Synonyms : Alcaftadine Alcohol Impurity

CAS Number : 147083-89-4

CAT Number : CP-A11007

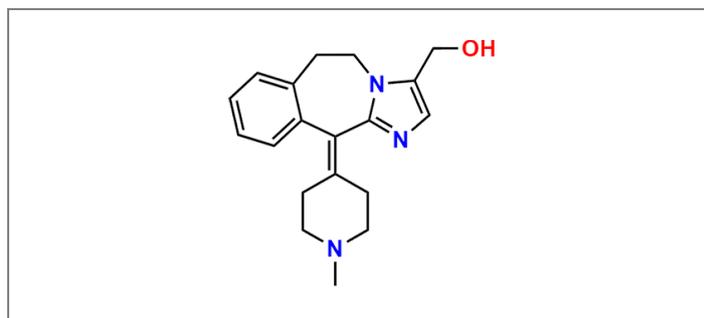
Molecular Formula : C<sub>19</sub>H<sub>23</sub>N<sub>3</sub>O

Molecular Weight : 309.41

Batch Number : CP-29-223

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

| Sr. No. | Test               | Result               |
|---------|--------------------|----------------------|
| 1)      | Description        | White Solid          |
| 2)      | Solubility         | Soluble in MeOH/DMSO |
| 3)      | MASS By LCMS       | Confirm to structure |
| 4)      | Purity by HPLC     | 99.32%               |
| 5)      | 1HNMR              | Confirm to Structure |
| 6)      | IR                 | Confirm to Structure |
| 7)      | Weight loss by TGA | 0.395%               |
| 8)      | Potency by TGA     | 98.93%               |



#### Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Quality Control)

#### Approved By

Ms Rohini Gagare  
(Quality Assurance)

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