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CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2026

Re-test Date: Feb 2029

Product Name: Midazolam EP Impurity D

Identification:

Chemical Name: 8-chloro-6-(2-fluorophenyl)-1-methyl-4H-imidazo[1,5-a][1,4]benzodiazepine 5-oxide, (as per EP)

Synonyms : Oxide Midazolam (USP)

CAS Number : 59468-83-6

CAT Number : CP-M85006

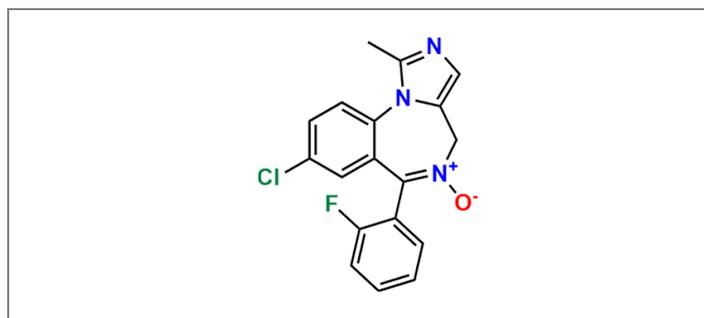
Molecular Formula : C₁₈H₁₃ClFN₃O

Molecular Weight : 341.8

Batch Number : CP-MID-D-0326

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 to Off White Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | 98.59% |
| 5) | ¹ H NMR | Confirm to structure |
| 6) | IR | Confirm to structure |
| 7) | Weight loss by TGA | 0.305% |
| 8) | Potency by TGA | 98.30% |



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.