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CERTIFICATE OF ANALYSIS

Analysis Date: May 2025

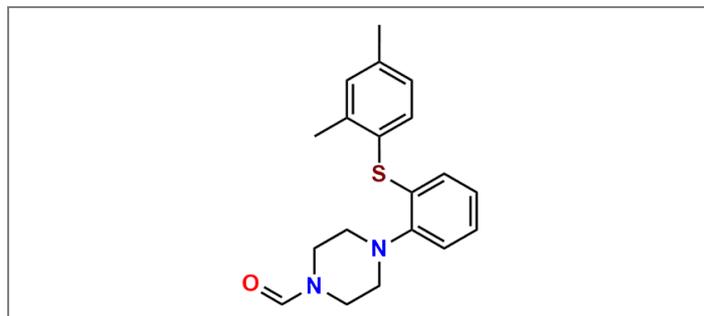
Re-test Date: Apr 2028

Product Name: N-formyl Vortioxetine

Identification:

Chemical Name: 4-(2-((2,4-Dimethylphenyl)thio)phenyl)piperazine-1-carbaldehyde

Synonyms : NA
CAS Number : 2135576-73-5
CAT Number : CP-V36009
Molecular Formula : C19H22N2OS
Molecular Weight : 326.46
Batch Number : CP-VOR-NFOR-0525
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 | 99.92 % |
| 5) | ¹ HNMR | Confirm to Structure |
| 6) | ¹³ CNMR | - |
| 7) | IR | - |
| 8) | Weight loss by TGA | 0.022 % |
| 9) | Potency by TGA | 99.90 % |



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.