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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Vortioxetine Impurity 37**

### Identification:

Chemical Name: Bis(2-(4-(2-((2,4-dimethylphenyl)thio)phenyl)piperazin-1-yl)ethyl)amine

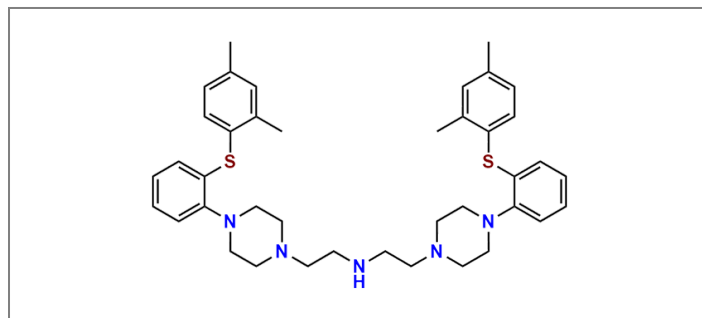
Synonyms : NA

CAS Number : NA

CAT Number : CP-V36113

Molecular Formula : C40H51N5S2

Molecular Weight : 666



### 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)      | <sup>1</sup> HNMR | Confirm to structure     |



**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.