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### CERTIFICATE OF ANALYSIS

Analysis Date:

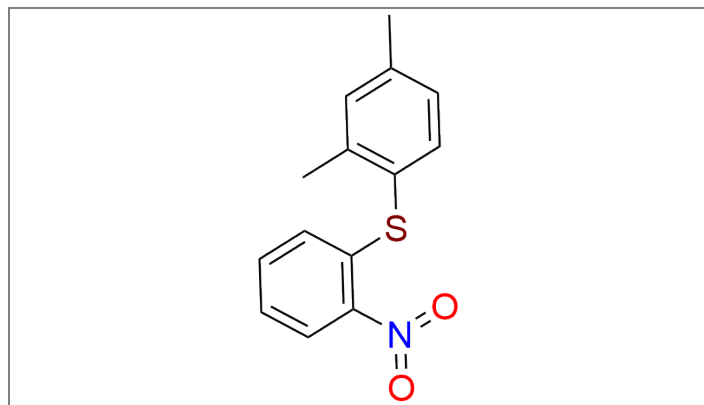
Re-test Date:

**Product Name: Vortioxetine Impurity 32**

#### Identification:

Chemical Name: (2,4-Dimethylphenyl)(2-nitrophenyl)sulfane

Synonyms : NA  
CAS Number : 1610527-49-5  
CAT Number : CP-V36014  
Molecular Formula : C<sub>14</sub>H<sub>13</sub>NO<sub>2</sub>S  
Molecular Weight : 259.32



#### 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.