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## CERTIFICATE OF ANALYSIS

Analysis Date:

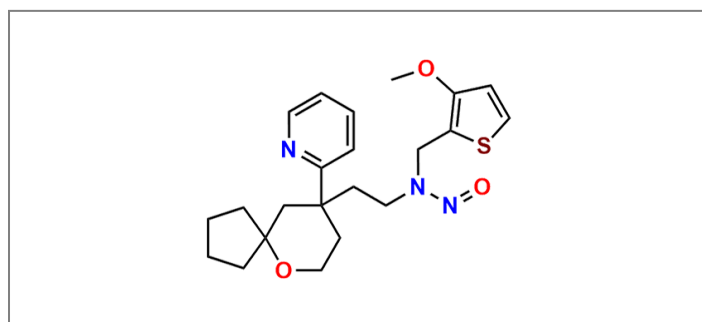
Re-test Date:

**Product Name: N-Nitroso rac-Oliceridine (Mixture of Diastereomers)**

### Identification:

Chemical Name: N-((3-methoxythiophen-2-yl)methyl)-N-(2-(9-(pyridin-2-yl)-6-oxaspiro[4.5]decan-9-yl)ethyl)nitrous amide

Synonyms : NA  
CAS Number : NA  
CAT Number : CP-O129000  
Molecular Formula : C<sub>22</sub>H<sub>29</sub>N<sub>3</sub>O<sub>3</sub>S  
Molecular Weight : 415.55



### 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.