

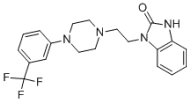


# Career Henan Chemical Co

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## Certificate of Analysis

|                                                                                                           |               |               |             |
|-----------------------------------------------------------------------------------------------------------|---------------|---------------|-------------|
| Product                                                                                                   | Flibanserin   | CAS NO        | 167933-07-5 |
| Batch NO                                                                                                  | BZSCF20180413 | Quantity      | 25KG        |
| Manu Date                                                                                                 | 20180413      | Analysis Date | 20180413    |
| Molecular Structure:<br> |               |               |             |
| Molecular Formula: C <sub>20</sub> H <sub>21</sub> F <sub>3</sub> N <sub>4</sub> O                        |               |               |             |
| Molecular Weight: 390.4g/mol                                                                              |               |               |             |

| Items               | Specification                      | Result                   |
|---------------------|------------------------------------|--------------------------|
| Appearance          | White crystalline powder           | White crystalline powder |
| Identification      | 1 UV Identification                | Conforms                 |
|                     | 2 IR Identification                | Conforms                 |
|                     | 3 Fluoride Identification          | Conforms                 |
| Loss on drying      | ≤1.0%                              | 0.10%                    |
| Residue on ignition | ≤0.10%                             | 0.05%                    |
| Relative Substance  | Total Impurities: ≤0.5%            | 0.11%                    |
|                     | Max unknown single impurity: ≤0.1% | 0.079%                   |
| Heavy metal         | ≤10ppm                             | Conforms                 |
| Assay               | ≥99.0%                             | 99.95%                   |
| Melting Point       | 159.0°C-163.0°C                    | 160.0°C-162.0°C          |
| Fluorine            | 14.5%-16.4%                        | 15.07%                   |
| Residual solvent    | Acetone ≤0.5%                      | 0.009%                   |
|                     | Isopropanol ≤0.5%                  | N.D.                     |

Analyst: 连俊昊

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