



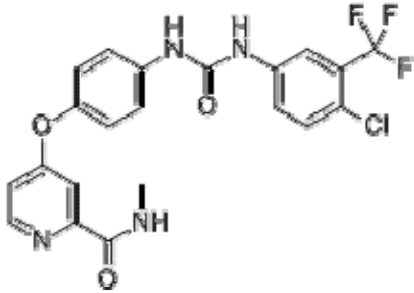
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## CERTIFICATE OF ANALYSIS

NO: DYC101611241

|                    |                                                                                   |
|--------------------|-----------------------------------------------------------------------------------|
| Product name       | Sorafenib tosylate                                                                |
| CAS Number         | 284461-73-0                                                                       |
| Molecule Structure |  |
| Molecule Formula   | C <sub>21</sub> H <sub>16</sub> ClF <sub>3</sub> N <sub>4</sub> O <sub>3</sub>    |
| Batch number       | 20161020                                                                          |
| Manuf date         | 2016-10-20                                                                        |
| Testing date       | 2016-10-21                                                                        |

| Analysis tests      | Standard                                                                           | Results  |
|---------------------|------------------------------------------------------------------------------------|----------|
| Appearance          | Pale Yellow or almost white crystalline powder                                     | Conforms |
| Solubility          | Soluble in DMSO at 200mg/ml; very poorly soluble in ethanol; very poorly in water. | Conforms |
| Identification      | (1) MS<br>(2) UV<br>(3) <sup>1</sup> H-NMR                                         | Conforms |
| Loss on drying      | ≤0.5%                                                                              | 0.26%    |
| Heavy metals        | ≤10ppm                                                                             | Conforms |
| Ordinary impurities | Single impurity≤0.5%                                                               | 0.11%    |
|                     | Total impurities≤1.0%                                                              | 0.3%     |
| Assay (HPLC)        | 99.0%~101.0%                                                                       | 99.7%    |
| Conclusion          | Conform In-house standard                                                          |          |

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