



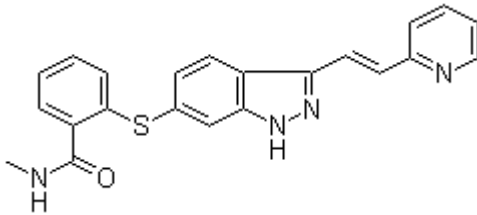
HANGZHOU DINGYAN CHEM CO.,LTD

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## CERTIFICATE OF ANALYSIS

NO: DYC081809101

|                    |  |
|--------------------|--|
| Product name       | AXITINIB   |
| CAS Number         | 319460-85-0  |
| Molecule Structure |  |
| Molecule Formula   | C <sub>22</sub> H <sub>18</sub> N <sub>4</sub> O <sub>2</sub> S                    |
| Batch number       | 20180602   |
| Manufacture date   | 2018-06-02   |
| Testing date       | 2018-06-02   |

| Items                    | Standard  | Result   |
|--------------------------|---|----------|
| Description              | Almost white powder   | Complies |
| Identification           | H-NMR, MS, HPLC   | Complies |
| Solubility               | Soluble in DMSO, slightly soluble in water and ethanol and practically insoluble in methanol and DMF. | Complies |
| Heavy Metals             | ≤20 ppm.  | Complies |
| Loss on drying           | ≤ 1.0%  | 0.15%    |
| Residue on ignition      | ≤0.2%   | 0.08%    |
| Residual solvents        | Dichloromethane≤0.1%  | 0.02%    |
|                          | Methanol≤0.5%   | 0.10%    |
|                          | Ethyl acetate ≤0.5%   | 0.35%    |
|                          | Tetramethylene oxide ≤0.1%  | 0.05%    |
| Related Impurity by HPLC | Single impurity≤0.5%  | 0.13%    |
|                          | Total impurity ≤1.0%  | 0.52%    |
| Purity (HPLC)            | ≥99.0%  | 99.48%   |

Hangzhou Dingyan Chem Co., Ltd.

QUALITY CONTROL: 

CHECK: 姚仙娟

INSPECTOR: 刘清风