



# Certificate of analysis

Product name: ABT-199

Cas number: 1257044-40-8

Molecular Formula: C<sub>45</sub>H<sub>50</sub>C<sub>1</sub>N<sub>7</sub>O<sub>7</sub>S

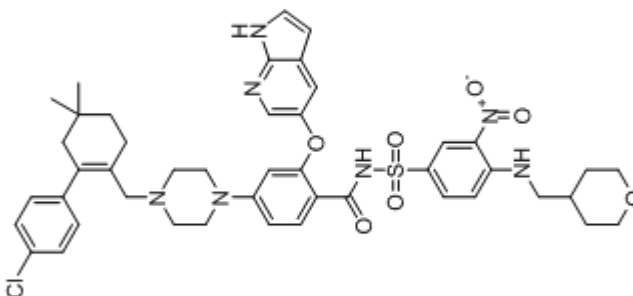
Molecular Weight: 868.44

Date of production: May. 30, 2019

Batch No: 20190530

Exp Date: May. 29, 2021

Chemical structure:



| Items            | Specifications | Results  |
|------------------|----------------|----------|
| Appearance       | Yellow powder  | Conforms |
| Identification   | NMR LCMS       | Conforms |
| Purity (By HPLC) | ≥99.0%         | 99.7%    |

**Conclusion: It complies with the Enterprise Standard.**

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F