

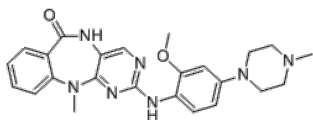
# Certificate of Analysis

|                      |  |
|----------------------|--|
| <b>Product Name</b>  | : XMD8-87  |
| <b>Cat. No.</b>      | : PC-35146   |
| <b>CAS No.</b>       | : 1234480-46-6   |
| <b>Batch No.</b>     | : PC-3514601   |
| <b>Chemical Name</b> | : 2-((2-methoxy-4-(4-methylpiperazin-1-yl)phenyl)amino)-11-methyl-5,11-dihydro-6H-benzo[e]pyrimido[5,4-b][1,4]diazepin-6-one |

## PHYSICAL AND CHEMICAL PROPERTIES

|                          |   |                |
|--------------------------|---|----------------|
| <b>Molecular Weight</b>  | : 445.527   |                |
| <b>Molecular Formula</b> | : C <sub>24</sub> H <sub>27</sub> N <sub>7</sub> O <sub>2</sub> |                |
| <b>Storage</b>           | : Powder  | -20°C 3 years  |
|                          |   | 4°C 2 years    |
|                          | In solvent  | -80°C 6 months |
|                          |   | -20°C 1 month  |

**Chemical Structure :**



## ANALYTICAL DATA

|                                   |   |
|-----------------------------------|---|
| <b>Appearance</b>                 | : Solid powder  |
| <b><sup>1</sup>H NMR Spectrum</b> | : Consistent with   |
| <b>HPLC</b>                       | : Consistent with   |
| <b>NP</b>                         | : Consistent with   |
| <b>Purity (HPLC)</b>              | : >98%  |
| <b>Conclusion</b>                 | : The product has been tested and complies with the given specifications. |

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: [tech@probechem.com](mailto:tech@probechem.com)