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## Certificate of Analysis

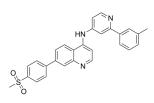
### $TGF\beta RI\text{-}IN\text{-}3$

| Cat. No.:      | HY-132290   |
|----------------|---|
| CAS No.:       | 2763602-67-9  |
| Batch No.:     | 126864  |
| Chemical Name: | 4-Quinolinamine, N-[2-(3-methylphenyl)-4-pyridinyl]-7-[4-(methylsulfonyl)phenyl]- |

#### PHYSICAL AND CHEMICAL PROPERTIES

| Molecular Formula: | $C_{28}H_{23}N_{3}O_{2}S$ |       |          |
|--------------------|---------------------------|-------|----------|
| Molecular Weight:  | 465.57                    |       |          |
| Storage:           | Powder                    | -20°C | 3 years  |
|                    |                           | 4°C   | 2 years  |
|                    | In solvent                | -80°C | 6 months |
|                    |                           | -20°C | 1 month  |

#### **Chemical Structure:**



#### ANALYTICAL DATA

| Appearance:                  | Light brown to gray (Solid)   |
|------------------------------|---|
| <sup>1</sup> H NMR Spectrum: | Consistent with structure   |
| LCMS:                        | Consistent with structure   |
| Purity (LCMS):               | 98.04%  |
| Conclusion:                  | The product has been tested and complies with the given specifications. |
|                              |   |

Caution: Product has not been fully validated for medical applications. For research use only.

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