# Certificate of Analysis



## Perforin-IN-2

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|---|---|
| **Cat. No.:** | HY-160214 |
| **CAS No.:** | 1567836-70-7 |
| **Batch No.:** | 358917 |
| **Chemical Name:** | Benzenesulfonamide, N-[5-[5-(2,3-dihydro-2-methyl-1-oxo-1H-isoindol-5-yl)-2-thienyl]-3-pyridinyl]-2-nitro- |

### PHYSICAL AND CHEMICAL PROPERTIES

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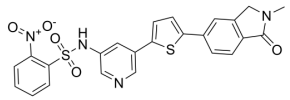
|---|---|---|---|
| **Molecular Formula:** | $C_{24}H_{18}N_4O_5S_2$ | | |
| **Molecular Weight:** | **506.55** | | |
| **Storage:** | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |

**Chemical Structure:**



### ANALYTICAL DATA

| | |
|---|---|
| **Appearance:** | Light yellow to yellow (Solid) |
| **$^1$H NMR Spectrum:** | Consistent with structure |
| **LCMS:** | Consistent with structure |
| **Purity (HPLC):** | **99.31%** |
| **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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