

Certificate of Analysis

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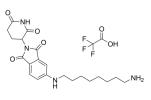
Thalidomide-5-NH2-C8-NH2 (TFA)

| Cat. No.: | HY-148872 |
|----------------|---------------------------------------------------------------------------------------------------|
| CAS No.: | 2097509-49-2 |
| Batch No.: | 291068 |
| Chemical Name: | 1H-Isoindole-1,3(2H)-dione, 5-[(8-aminooctyl)amino]-2-(2,6-dioxo-3-piperidinyl)-, 2,2,2-trifluoro |
| | acetate (1:1) |

PHYSICAL AND CHEMICAL PROPERTIES

| Molecular Formula: | C ₂₃ H ₂₉ F ₃ N ₄ O ₆ |
|--------------------|----------------------------------------------------------------------------------------|
| Molecular Weight: | 514.49 |
| Storage: | -20°C, sealed storage, away from moisture and light |
| | * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and |
| | light) |

Chemical Structure:



ANALYTICAL DATA

| Appearance: | Light yellow to green yellow (Solid) |
|------------------------------|-------------------------------------------------------------------------|
| ¹ H NMR Spectrum: | Consistent with structure |
| LCMS: | Consistent with structure |
| Purity (LCMS): | 98.30% |
| 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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