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Certificate of Analysis

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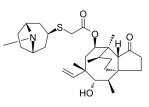
Retapamulin

| Cat. No.: | HY-17010 |
|----------------|--|
| CAS No.: | 224452-66-8 |
| Batch No.: | 11271 |
| Chemical Name: | Acetic acid, 2-[[(3-exo)-8-methyl-8-azabicyclo[3.2.1]oct-3-yl]thio]-, (3aS,4R,5S,6S,8R,9R,9aR,10R) |
| | -6-ethenyldecahydro-5-hydroxy-4,6,9,10-tetramethyl-1-oxo-3a,9-propano-3aH-cyclopentacyclo |
| | octen-8-yl ester |

PHYSICAL AND CHEMICAL PROPERTIES

| Molecular Formula: | C ₃₀ H ₄₇ NO ₄ S |
|--------------------|---|
| Molecular Weight: | 517.76 |
| Storage: | 4°C, protect from light |
| | * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |

Chemical Structure:



ANALYTICAL DATA

| Appearance: | White to off-white (Solid) |
|------------------------------|---|
| ¹ H NMR Spectrum: | Consistent with structure |
| Purity (NMR): | ≥98.0% |
| 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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