

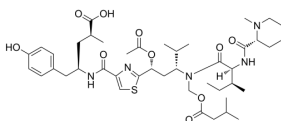
## Tubulysin A

|                |   |
|----------------|---|
| Cat. No.:      | HY-15995  |
| CAS No.:       | 205304-86-5   |
| Batch No.:     | 307273  |
| Chemical Name: | Benzenepentanoic acid, $\gamma$ -[[[2-[(1R,3R)-1-(acetyloxy)-4-methyl-3-[[[(2S,3S)-3-methyl-2-[[[(2R)-1-methyl-2-piperidinyl]carbonyl]amino]-1-oxopentyl]](3-methyl-1-oxobutoxy)methyl]amino]pentyl]-4-thiazolyl]carbonyl]amino]-4-hydroxy- $\alpha$ -methyl-, ( $\alpha$ S, $\gamma$ R)- |

### PHYSICAL AND CHEMICAL PROPERTIES

|                    |  |
|--------------------|--|
| Molecular Formula: | C <sub>43</sub> H <sub>65</sub> N <sub>5</sub> O <sub>10</sub> S   |
| Molecular Weight:  | 844.07   |
| Storage:           | -20°C, protect from light, stored under nitrogen<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen) |

### Chemical Structure:



### ANALYTICAL DATA

|                              |   |
|------------------------------|---|
| Appearance:                  | White to light yellow (Solid)   |
| <sup>1</sup> H NMR Spectrum: | Consistent with structure   |
| LCMS:                        | Consistent with structure   |
| Purity (HPLC):               | 99.08%  |
| 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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