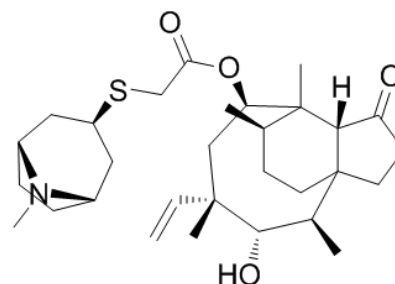


**Product Name** : Retapamulin  
**Cat. No.** : PC-45135  
**CAS No.** : 224452-66-8  
**Molecular Formula** : C<sub>30</sub>H<sub>47</sub>NO<sub>4</sub>S  
**Molecular Weight** : 517.7635  
**Target** : Bacterial  
**Solubility** : DMSO: ≥ 52 mg/mL



## Biological Activity

Retapamulin (SB275833) is an pleuromutilin antibiotic, specifically a **protein synthesis** inhibitor by interacting on the 50S subunit of the bacterial ribosome, binds to both *E. coli* and *S. aureus* ribosomes with K<sub>d</sub> of 3 nM. Retapamulin demonstrates high efficacy against certain Gram-positive bacteria including MRSA.

## References

- Goldstein EJ, et al. *Antimicrob Agents Chemother.* 2006 Jan;50(1):379-81.  
 Jones RN, et al. *Antimicrob Agents Chemother.* 2006 Jul;50(7):2583-6.  
 Champney WS, et al. *Antimicrob Agents Chemother.* 2007 Sep;51(9):3385-7.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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