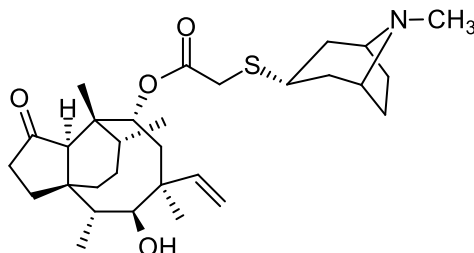


Retapamulin

Code No.: **BIA-R1491**

Pack sizes: **1 mg, 5 mg**



Synonyms : SB 275833

Specifications

CAS #	: 224452-66-8
Molecular Formula	: C ₃₀ H ₄₇ NO ₄ S
Molecular Weight	: 517.8
Source	: Semi-synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Moderate water solubility.

Application Notes

Retapamulin is a semi-synthetic pleuromutilin prepared by reacting pleuromutilin tosylate with tropine-3-thiol to give a more hydrophobic analogue with a tertiary amine. This enables formulation as a stable hydrochloride salt. Retapamulin is a broad spectrum antibiotic with no cross resistance to existing antibiotic classes, and is the first pleuromutilin approved for human use. Like all the pleuromutilins, retapamulin inhibits protein synthesis by binding to domain V of 23S rRNA.

References

1. Activity of retapamulin (SB-275833), a novel pleuromutilin, against selected resistant gram-positive cocci. Jones R. et al., *Antimicrob. Agents Chemother.* 2006, 50, 2583.
2. Retapamulin. Daum R.S. et al., *Nature Reviews Drug Discovery* 2007, 6, 865.