PRODUCT INFORMATION

Valnemulin
Item No. 20141

CAS Registry No.: 101312-92-9
Formal Name: 2-[[2-[[2R]-2-amino-3-methyl-1-oxobutyl]amino]-1,1-dimethylethyl]thio]-acetic acid, (3aS,4R,5S,6S,8R,9R,9aR,10R)-6-ethenyldecahydro-5-hydroxy-4,6,9,10-tetramethyl-1-oxo-3a,9-propano-3aH-cyclopentacycloocten-8-yl ester
MF: C₃₁H₅₂N₂O₅S
FW: 564.8
Purity: ≥99%
Supplied as: A solid
Storage: -20°C
Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly

Laboratory Procedures

Valnemulin is supplied as a solid. A stock solution may be made by dissolving the valnemulin in the solvent of choice. Valnemulin is soluble in organic solvents such as ethanol, methanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. It is also moderately soluble in water. We do not recommend storing the aqueous solution for more than one day.

Description

Valnemulin is a broad-spectrum pleuromutilin antibiotic that binds to peptidyl transferase in the 50S ribosomal subunit. It has been used in veterinary medicine to treat swine diseases including, B. hyodysenteriae and M. hyopneumoniae.

Reference