



Valnemulin PRODUCT DATA SHEET

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Product Name:	Valnemulin
Product Number:	V016
CAS Number:	101312-92-9
Molecular Formula:	$C_{31}H_{52}N_2O_5S$
Molecular Weight:	564.8
Appearance:	White solid
Storage Conditions:	-20°C
Description:	<p>Valnemulin is a semi-synthetic pleuromutilin prepared by sequential reaction of pleuromutilin tosylate with 2-amino-1,1-dimethylethylthiol, coupling the free amine with a protected valine and then deprotection to provide the final product. Valnemulin is a broad spectrum antibiotic used to control gastrointestinal infections in animals and shows no cross resistance to other antibiotic classes.</p> <p>Valnemulin is soluble in ethanol, methanol, DMF and DMSO.</p>
Mechanism of Action:	Valnemulin inhibits protein synthesis by binding to domain V of 23S RNA.
References:	Pleuromutilin derivatives a process for their preparation and their use. Berner H. et al. 1986, US Patent 4,675,330.

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