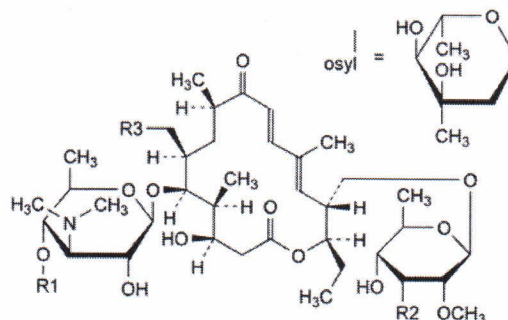


Batch no 230905-1  
 Mf date Sep 05 2023  
 Expiry Sep 04 2026  
 Batch size 442.7 kg

Molecular Structure



Name	Mol. Formula	R1	R2	R3
tylosin A	C <sub>46</sub> H <sub>77</sub> NO <sub>17</sub>	osyl	OCH <sub>3</sub>	CHO
tylosin B	C <sub>39</sub> H <sub>65</sub> NO <sub>14</sub>	H	OCH <sub>3</sub>	CHO
tylosin C	C <sub>45</sub> H <sub>75</sub> NO <sub>17</sub>	osyl	OH	CHO
tylosin D	C <sub>46</sub> H <sub>79</sub> NO <sub>17</sub>	osyl	OCH <sub>3</sub>	CH <sub>2</sub> OH

Molecular Weight 916.10

CAS Registry Number 1401-69-0

Nov 20 2023

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Off white or light yellow powder	Off white powder
Solubility	Soluble in ethanol & in dichloro-methane, slightly soluble in water; it dissolves in diluted mineral acid solution	Conforms
Identification	IR, RRT, no green colour develops	Positive
pH	8.5 ~ 10.5	9.6
Loss on drying	≤ 5.0%	1.48%
Sulfated ash	≤ 3.0%	0.27%
Tylosin compositions	Tylosin A ≥ 80% Tylosin A+B+C+D ≥ 95.0%	96.44% 98.5%
Potency (odb)	≥ 900 IU/mg	1016.3 IU/mg

Packaging & storage	Protected from light
Conclusion	Material complies with EP9.0