

CERTIFICATE OF ANALYSIS

PRODUCT:	Amphomycin Glumamycin; Amfomycin; A1437E, from <i>Streptomyces sp.</i> C ₅₈ H ₉₁ N ₁₃ O ₂₀ , M.W. 1290.4, CAS# [1402-82-0]
PRODUCT NUMBER:	A-2597
LOT NUMBER:	F1265
APPEARANCE:	Off-white to fawn solid
SOLUBILITY:	DMSO, DMF, methanol or ethanol.
PURITY (HPLC):	> 95%
SOURCE:	<i>Streptomyces sp.</i>
PRODUCT INFORMATION:	Amphomycin is a lipopeptide antibiotic produced by Streptomyces and Actinoplanes, initially reported by researchers at Bristol-Myers in 1953. Amphomycin was marketed as a complex of closely related analogues in the 1950's and 1960's. Structure elucidation was not completed until 2000. Amphomycin is active against Gram positive bacteria, inhibiting peptidoglycan synthesis and blocking cell wall development. Amphomycin is closely related to a number of "lost" antibiotics, aspartocin, crystallomycin, glumamycin, friulimicin, laspartocin, tsushimycin and zaomycin. Interest in amphomycin was re-awakened with the discovery of friulimicin activity against antibiotic resistant strains.
STORAGE & HANDLING:	Store desiccated at -20°C.

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KS