

CERTIFICATE OF ANALYSIS

PRODUCT:	epi-Ivermectin B_{1a} (22,23-dihydroavermectin B _{1a} + 22,23-dihydroavermectin B _{1b}) C ₄₈ H ₇₄ O ₁₄ , M.W. 875.1, CAS# [70288-86-7]
PRODUCT NUMBER:	I-2581
LOT NUMBER:	F1273
APPEARANCE:	White solid
SOLUBILITY:	Soluble in ethanol, methanol, DMF or DMSO.
PURITY (HPLC):	≥ 95%
PRODUCT DESCRIPTION:	epi-Ivermectin B _{1a} is a base-catalysed intermediate in the decomposition of ivermectin. epi-Ivermectin B _{1a} is formed by epimerisation at the 2-position which ultimately rearranges irreversibly to the isomeric alkene analogue, Δ ² -ivermectin B _{1a} . Despite the importance of ivermectin as an anthelmintic in animal health, there are no published reports of the biological activity or the levels of epi-ivermectin B _{1a} in animals or the environment.
STORAGE & HANDLING:	Store desiccated at -20°C. HYGROSCOPIC! PROTECT FROM LIGHT! CAUTION: For laboratory research & scientific manufacturing 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: EV