

CERTIFICATE OF ANALYSIS

PRODUCT:	Collismycin , From <i>Streptomyces sp.</i> SF 2738A C ₁₃ H ₁₃ N ₃ O ₂ S, M.W. 275.3, CAS# [158792-24-6]
PRODUCT NUMBER:	C-2659
LOT NUMBER:	G1016
APPEARANCE:	White to off-white solid
SOLUBILITY:	May be dissolved in ethanol, methanol, DMF or DMSO.
PURITY (HPLC):	> 95%
DESCRIPTION:	A rare and unusual antibiotic belonging to the caerulomycin class, containing a core 2,2'-bispyridyl with an oxime substituent, produced by a strain of <i>Streptomyces</i> and discovered by researchers in Kirin, Japan in 1994. Collismycin was discovered as a potent inhibitor of glucocorticoid receptor binding. Collismycin has weak to moderate activity against bacteria, fungi and tumor cell lines. More recently, collismycin has been found to be a potent and selective neuroprotective agent against oxidative stress. Other recent publications have focused on the biosynthesis of collismycin as a route to the production of related analogues.
STORAGE & HANDLING:	Store desiccated at -20°C. 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: KS