

Certificate of Analysis

PRODUCT:	Concanamycin A, [Folimycin; TAN 1323B] C₄₆H₇₅NO₁₄, M.W. 866.1, CAS# [80890-47-7]
PRODUCT NUMBER:	C-1057
LOT NUMBER:	J1020A
APPEARANCE:	White solid
PURITY (HPLC):	>98%
PURITY (TLC):	>98%
NMR:	Conforms
SOURCE:	<i>Streptomyces</i> sp.
SOLUBILITY:	Soluble in DMSO
OTHER DATA:	Concanamycin A is the major analogue of the concanamycin complex produced by <i>Streptomyces</i> sp. It has been shown to act as a potent and specific vacuolar-ATPase inhibitor. Concanamycin A inhibits the acidification of organelles and blocks cell surface expression of viral envelope glycoproteins without affecting their synthesis. It also interferes with intracellular protein trafficking and inhibits perforin- and Fas-based lytic pathways in cell-mediated cytotoxicity. Concanamycins are structurally related to the bafilomycins.
COUNTRY OF ORIGIN:	USA
RECERTIFICATION DATE:	January 2022
STORAGE & HANDLING:	Store desiccated at -20°C. PROTECT FROM LIGHT! <u>WARNING:</u> VERY TOXIC!

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: KLS