

## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Fascaplysin</b> From <i>Thorectandra sp.</i> [12,13-Dihydro-13-oxopyrido[1,2-a:3,4-b']diindol-5-ium chloride], C <sub>18</sub> H <sub>11</sub> ClN <sub>2</sub> O, M.W. 306.75, CAS# [114719-57-2]
<b>PRODUCT NUMBER:</b>	F-1136
<b>LOT NUMBER:</b>	E1313J
<b>APPEARANCE:</b>	Dark red-brown powder
<b>SOLUBILITY:</b>	May be dissolved in DMSO (20 mg/ml) or water (2 mg/ml)
<b>ANALYSIS (TLC):</b>	98%
<b>ANALYSIS (NMR):</b>	Conforms
<b>DESCRIPTION:</b>	A novel marine natural product isolated from <i>Thorectandra sp.</i> A potent and selective inhibitor of cyclin dependent kinase 4/cyclin D1 (IC <sub>50</sub> = 0.35 μM) and is less selective for Cdk6/D1 (IC <sub>50</sub> = 3.4 μM). Displays antiangiogenic activity. Displays high cytotoxic activity against small cell lung cancer cell lines acting via multiple mechanisms including topoisomerase I, DNA integrity and ROS.
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at -20°C. Store solutions at -20°C for up to 3 months. <b>PROTECT FROM LIGHT!</b>

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: SK