

## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Alsterpauellone</b> Inhibitor of CDK and GSK [9-Nitro-7,12-dihydroindolo-[3,2-d][1]benzazepin-6(5H)-one]; C <sub>16</sub> H <sub>11</sub> N <sub>3</sub> O <sub>3</sub> , M.W. 293.3, CAS# [237430-03-4]
<b>PRODUCT NUMBER:</b>	A-1136
<b>LOT NUMBER:</b>	C1303C
<b>APPEARANCE:</b>	Brown crystalline powder
<b>SOLUBILITY:</b>	Soluble in DMSO (10mg/mL); insoluble in water or 100% ethanol.
<b>PURITY (TLC):</b>	> 96%
<b>IDENTITY (NMR):</b>	Conforms
<b>PRODUCT DESCRIPTION:</b>	Potent inhibitor of CDK1/cyclin B (IC <sub>50</sub> = 35nM). Potent and selective inhibitor of CDK2/cyclin A, CDK2/cyclin E (IC <sub>50</sub> = 200nM), CDK5/p25 (IC <sub>50</sub> = 40nM), CDK5/p35 (IC <sub>50</sub> = 40nM) and GSK-3β . Induces apoptosis by activation of caspase-8 and caspase-9 followed by disruption of the mitochondrial potential.
<b>STORAGE &amp; HANDLING:</b>	Store desiccated at +4°C. Store solutions at -20°C for up to 3 months. <b><u>WARNING:</u> IRRITANT! PROTECT FROM LIGHT!</b>

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:

