



CERTIFICATE OF ANALYSIS

PRODUCT:	Alsterpaullone [9-Nitro-7,12-dihydroindolo-[3,2-d][1]benzazepin-6(5 <i>H</i>)-one], C ₁₆ H ₁₁ N ₃ O ₃ , M.W. 293.3, CAS# [237430-03-4]
PRODUCT NUMBER:	A-1136
LOT NUMBER:	B1268
APPEARANCE:	Yellow Powder
SOLUBILITY:	Soluble in DMSO; insoluble in water or 100% ethanol
PURITY (NMR):	≥98%
IDENTITY:	Confirms (by IR, ¹ H-NMR, and ¹³ C-NMR)
PRODUCT DESCRIPTION:	Potent inhibitor of CDK1/cyclin B (IC ₅₀ = 35nM). Potent and selective inhibitor of CDK2/cyclin A, CDK2/cyclin E (IC ₅₀ = 200nM), CDK5/p25 (IC ₅₀ = 40nM), CDK5/p35 (IC ₅₀ = 40nM) and GSK-3β. Induces apoptosis by activation of caspase-8 and caspase-9 followed by disruption of the mitochondrial potential.
STORAGE & HANDLING:	Keep cool and dry at +4°C. PROTECT FROM LIGHT!

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: **KT**