



CERTIFICATE of ANALYSIS

PRODUCT: *trans*-HR22C16
[*trans*-5-[*m*-Hydroxyphenyl]-2-*n*-butyl-1,3-dioxo-6H-1,2,3,5,11,11a-hexahydroimidazo[1,5-*b*]- β -carboline],
C₂₃H₂₃N₃O₃, M.W. 389.5, CAS# [462630-41-7]

PRODUCT NUMBER: H-1182

LOT NUMBER: B1408

APPEARANCE: Ocher solid.

SOLUBILITY: Soluble in DMSO (10mg/ml).

IDENTITY DETERMINED BY ¹H-NMR, ¹³C-NMR AND HR-RS: Confirms.

PURITY: \geq 95%

PRODUCT DESCRIPTION: Cell permeable non-tubulin-interacting mitosis inhibitor. Blocks mitosis (IC₅₀ = 800nM) by binding to the mitotic kinesin Eg5.

STORAGE & HANDLING: Keep cool and dry at -20°C.
PROTECT FROM LIGHT!
WARNING: HARMFUL! MAY BE CARCINOGENIC! MAY BE TERATOGENIC!
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: DD