

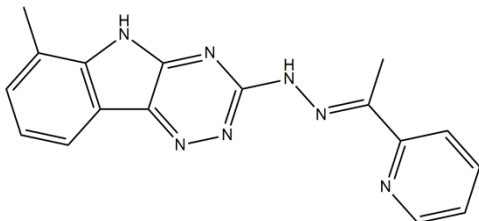
VLX600

08/19

ALTERNATE NAMES: 6-methyl-N-[(E)-1-pyridin-2-ylethylideneamino]-5H-[1,2,4]triazino[5,6-b]indol-3-amine; 6-Methyl-3-((2E)-2-(1-(pyridin-2-yl)ethylidene)hydrazinyl)-5H-(1,2,4)triazino(5,6-b)indole; Ethanone, 1-(2-pyridinyl)-, 2-(6-methyl-5H-1,2,4-triazino(5,6-b)indol-3-yl)hydrazone

CATALOG #: B2849-1 1 mg
B2849-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₇H₁₅N₇

MOLECULAR WEIGHT: 317.35

CAS NUMBER: 327031-55-0

APPEARANCE: A crystalline solid

PURITY: ≥95%

SOLUBILITY: ~1 mg/ml in ethanol
~20 mg/ml in DMSO and DMF

DESCRIPTION: VLX600 is a small molecule which is cytotoxic to quiescent cells in colon cancer cells with an IC₅₀ of 1-10 μM. VLX600 decreases mitochondrial oxidative phosphorylation and shows enhanced cytotoxic activity under conditions of nutrient starvation. It inhibits growth of colon cancer xenografts with minimal systemic toxicity in mice.

STORAGE TEMPERATURE: -20°C. Store in the dark. Product is light sensitive.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCE: Zhang, X., Fryknäs, M., Hernlund, E., et al. Induction of mitochondrial dysfunction as a strategy for targeting tumour cells in metabolically compromised microenvironments. *Nat. Commun.* 5, 1-14 (2014).

RELATED PRODUCTS:

Beauvericin (Cat. No. B1246)
 UK-5099 (Cat. No. B1952)
 Carbonyl Cyanide m-Chlorophenylhydrazone (Cat. No. B2046)
 Rotenone (Cat. No. 2248)
 IACS-010759 (Cat. No. B2231)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*