

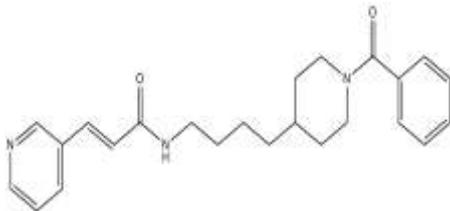
FK-866

ALTERNATE NAME: N-[4-(1-benzoyl-4-piperidinyl)butyl]-3-(3-pyridinyl)-2E-propenamide

CATALOG #: 1914-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₄H₂₉N₃O₂

MOLECULAR WEIGHT: 391.51

CAS NUMBER: 658084-64-1

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (>30 mg/ml) and Ethanol

PURITY: ≥98% by NMR

STORAGE: Store at -20 °C

DESCRIPTION: Cell-permeable. FK-866 is a highly specific non-competitive inhibitor of Nicotinamide phosphoribosyltransferase (NAMPT) (K_i = 0.4 nM), causing gradual NAD⁺ depletion. NAMPT functions as an intra-cellular and extra-cellular NAD biosynthetic enzyme that is important for regulating metabolism and stress resistance through sirtuins and other NAD-consuming regulators. NAD⁺ depletion by FK-866 directs delayed cell death by apoptosis in Hep-G2 human liver carcinoma cells (IC₅₀ = ~1 nM).

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

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

RELATED PRODUCTS:

- Apoptosis Detection Kits & Reagents
- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors
- Cambinol (**Cat. No. 1653-10**)
- Resveratrol (**Cat. No. 1758-100, 500**)
- SIRT1 Inhibitor, EX-527 (**Cat. No. 1652-10**)
- SIRT2 Inhibitor (**Cat. No. 1857-5, 25**)
- SIRT2 Inhibitor, AGK2 (**Cat. No. 1651-10**)