

## FK-866

Cat. No. CEI-0591

Lot. No. (See product label)

### Introduction

**Description** Cell-permeable. FK-866 is a highly specific non-competitive inhibitor of Nicotinamide phosphoribosyltransferase (NAMPT) ( $K_i = 0.4$  nM), causing gradual NAD<sup>+</sup> 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<sup>+</sup> depletion by FK-866 directs delayed cell death by apoptosis in Hep-G2 human liver carcinoma cells ( $IC_{50} = \sim 1$  nM).

### Product Information

**Appearance** White to off-white solid

**CAS No.** 658084-64-1

**Molecular Formula**  $C_{24}H_{29}N_3O_2$

**Chemical Name** N-[4-(1-benzoyl-4-piperidinyl)butyl]-3-(3-pyridinyl)-2E-propenamide

**Molecular Weight** 718.1

**Purity** >97% by HPLC

**Targets** NAMPT

**Solubility** DMSO or EtOH

### Storage and Shipping Information

**Storage** -20 centigrade

**Shipping Conditions** Gel pack