

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) ($K_i = 0.4 \text{ nM}$), 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 ($\text{IC}_{50} = \sim 1 \text{ nM}$).

Product Information

Appearance White to off-white solid

CAS No. 658084-64-1

Molecular Formula $\text{C}_{24}\text{H}_{29}\text{N}_3\text{O}_2$

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