

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⁺ 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 ($IC_{50} = \sim 1$ 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