

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 ($IC_{50} = \sim 1 \text{ nM}$).

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-piperidiny)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