

FAS Inhibitor, C75

Cat. No. CEI-0481

Lot. No. (See product label)

Introduction

Description Inhibitor of fatty acid synthase (FAS) reducing food intake and body weight in mice. Exhibits irreversible slow-binding biphasic inactivation of FAS. Down regulates neuropeptide Y and Agouti-related protein expression. Has been proposed to activate CPT-1 activity in liver and adipose tissue, leading to increased fatty acid oxidation and energy production. Shows significant in vivo antitumor activity in human breast cancer cells. Suppresses DNA replication and induces apoptosis. FAS inhibition by C75 leads to dramatic accumulation of the CDK inhibitor p27KIP1 from cytosol to cell nuclei.

Product Information

Appearance	White solid
CAS No.	191282-48-1
Molecular Formula	C ₁₄ H ₂₂ O ₄
Chemical Name	4-Methylene-2-octyl-5-oxotetrahydrofuran-3-carboxylic acid
Molecular Weight	515.86
Purity	>98% by TLC
Targets	FASN
Solubility	H ₂ O (100 mM)

Storage and Shipping Information

Storage	-20 centigrade
Shipping Conditions	RT