

CERTIFICATE OF ANALYSIS

PRODUCT:	C75, FAS Inhibitor (2R,3S)-TETRAHYDRO-4-METHYLENE-2-OCTYL-5-OXO-3-FURANCARBOXYLIC ACID C ₁₄ H ₂₂ O ₄ , M.W. 254.3, CAS# [191282-48-1]
PRODUCT NUMBER:	C-1373
LOT NUMBER:	J1304
APPEARANCE:	Off-White Solid
SOLUBILITY:	Soluble in dichloromethane, methanol or DMSO.
PURITY (TLC):	≥ 98%
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.
STORAGE & HANDLING:	Store desiccated at -20°C. PROTECT FROM LIGHT!

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KLS