

TOFA, Acyl-CoA carboxylase inhibitor

Catalog	Unit
TBI1464 - 10MG	10 mg
TBI1464 - 50MG	50 mg

Product Details

Formal Name: 5-(Tetradecyloxy)-2-furoic acid

Alternate Names: RMI-14514

Molecular Formula: C₁₉H₃₂O₄

Formula Weight: 324.47

CAS Number: 54857-86-2

Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 15 mg/ml), or in Ethanol (up to 9 mg/ml).

Storage: RT

Stability: ≥ 2 years.



Applications

Acyl-CoA carboxylase inhibitor

Functions

TOFA (54857-86-2) interferes with fatty acid synthase via inhibition of acetyl Co-A carboxylase (ACC1). Induces apoptosis in a variety of tumor cell lines. Stimulates neurite outgrowth and neuronal differentiation in rat pheochromocytoma cells. TOFA impairs glucose-stimulated insulin secretion after chronic treatment.

Application Procedures

First dissolved in DMSO (up to 15 mg/ml), or in Ethanol (up to 9 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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