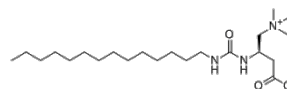


Product Name : Teglicar
Synonyms : ST-1326;ST1326
Cat No. : M13738
CAS Number : 250694-07-6
Molecular Formula : C₂₂H₄₅N₃O₃
Formula Weight : 399.62
Chemical Name : (R)-4-Trimethylammonio-3-[(tetradecylcarbamoyl)amino]butyrate



Description : Teglicar (ST-1326) is a potent, selective and reversible inhibitor of liver carnitine palmitoyl-transferase 1 (L-CPT1) with IC₅₀ of 0.68 uM, K_i of 0.36 uM; displays an extraordinarily high selectivity (39-fold) toward the liver isoform over the heart isoform (muscle-CPT1;M-CPT1); reduces gluconeogenesis and improves glucose homeostasis, shows antiketotic and antidiabetic activity in diabetic db/db mice; also inhibits fatty acid oxidation associated with cell growth arrest, mitochondrial damage, and apoptosis induction in leukemia cell lines; orally active.Diabetes Phase 2 Discontinued

Pathway : Others

Target : Other Targets

Receptor : Other Targets

Solubility : —

SMILES : CCCCCCCCCCCCCCCNC(=O)NC(CC(=O)[O-])C[N+](C)(C)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Ricciardi MR, et al. Blood. 2015 Oct 15;126(16):1925-9.| 2. Giannessi F, et al. J Med Chem. 2003 Jan 16;46(2):303-9.| 3. Conti R, et al. Diabetes. 2011 Feb;60(2):644-51.