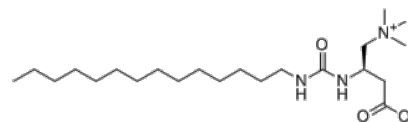


Product Name : Teglicar
Cat. No. : PC-61316
CAS No. : 250694-07-6
Molecular Formula : C₂₂H₄₅N₃O₃
Molecular Weight : 399.62
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Teglicar (ST-1326) is a potent, selective and reversible inhibitor of liver **carnitine palmitoyl-transferase 1 (L-CPT1)** with IC₅₀ of 0.68 μM, K_i of 0.36 μM.

Teglicar displays an extraordinarily high selectivity (39-fold) toward the liver isoform over the heart isoform (muscle-CPT1;M-CPT1).

Teglicar reduces gluconeogenesis and improves glucose homeostasis, shows antiketotic and antidiabetic activity in diabetic db/db mice.

Teglicar also inhibits fatty acid oxidation associated with cell growth arrest, mitochondrial damage, and apoptosis induction in leukemia cell lines.

Teglicar is orally active.

References

Ricciardi MR, et al. **Blood**. 2015 Oct 15;126(16):1925-9.

Giannessi F, et al. **J Med Chem**. 2003 Jan 16;46(2):303-9.

Conti R, et al. **Diabetes**. 2011 Feb;60(2):644-51.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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