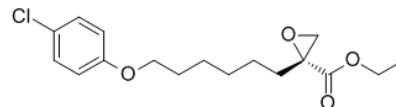


Product Name : Etomoxir
Cat. No. : PC-45827
CAS No. : 124083-20-1
Molecular Formula : C₁₇H₂₃ClO₄
Molecular Weight : 326.8151
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Etomoxir is an irreversible inhibitor of **carnitine palmitoyltransferase-1 (CPT-1)** that inhibits fatty acid β -oxidation in rat liver with IC₅₀ of 5-20 nM.

Etomoxir affects ketogenesis, cholesterol synthesis, and gluconeogenesis both in vitro and in vivo.

Etomoxir decreases viability in LNCaP, VCaP, and patient-derived benign and prostate cancer cells, associated with decreased AR expression, decreased mTOR signaling, and increased caspase-3 activation.

Etomoxir decreases xenograft growth in mice.

References

Lopaschuk GD, et al. *Circ Res*. 1988 Dec;63(6):1036-43.

Kruszynska YT, et al. *Biochem Pharmacol*. 1987 Nov 15;36(22):3917-21.

Schlaepfer IR, et al. *Mol Cancer Ther*. 2014 Oct;13(10):2361-71.

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

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