Product Name: Rimonabant Hydrochloride
CAS No.: 158681-13-1
Cat. No.: HY-14137
MWt: 500.25
Formula: C22H22Cl4N4O
Purity: >98%
Solubility: DMSO

Mechanisms: Pathways: GPCR/G protein; Target: Cannabinoid Receptor

Biological Activity:
Rimonabant HcI(SR141716A) is a selective central cannabinoid (CB1) receptor inverse agonist with Ki of 1.8 nM.
IC50 Value: 1.8 nM(Ki)
Target: CB1 Receptor

in vitro: Rimonabant dose-dependently reduces ACAT activity in Raw264.7 macrophages with IC50 of 2.9 μM and isolated peritoneal macrophages. Rimonabant inhibits ACAT activity in intact CHO-ACAT1 and CHO-ACAT2 cells and in cell-free assays with approximately equal efficiency with IC50 of 1.5 μM and 2.2 μM for CHO-ACAT1 and CHO-ACAT2, respectively. Consistent with ACAT inhibition, Rimonabant treatment blocks ACAT dependent processes in macrophages, oxysterol-induced apoptosis and acetylated-LDL induced foam cell formation. Rimonabant antagonizes the inhibitory effects of cannabinoid receptor agonists on both mouse vas deferens contractions and adenylyl cyclase activity in rat brain membranes in a concentration-dependent...

Pathways: GPCR/G protein; Target: Cannabinoid Receptor

References:

Caution: Not fully tested. For research purposes only

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