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DATASHEET

AdipoRon

Product overview

Name AdipoRon Cat No HB3738 **Purity** >98%

Description Adiponectin receptor (AdipoR) agonist

Biological Data

Biological description

Orally-active adiponectin receptor (AdipoR) agonist. Binds to AdipoR1 and AdipoR2 at low µm concentration. Activates 5'-adenosine monophosphate-activated protein kinase (AMPK) in cultured mammalian cells. Activates peroxisome proliferator-activated receptor gamma coactivator 1-alpha (PGC1alpha) which boosts mitochondrial proliferation and energy metabolism. Improves diabetes, glucose and lipid metabolism and insulin sensitivity in cultured cells and in mice by AdipoR-dependent mechanisms. Rescued the shortened lifespan of db/db mice (AdipoRs KO) on high-fat diet. Reduces expression levels of genes encoding inflammatory cytokines such as TNF-alpha, IL-6 and CCL-2 in WAT of WT mice but not db/db mice.

Solubility & Handling

Storage instructions Storage buffer

Important

+4°C

Soluble in DMSO (~30mg/ml)

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Molecular Weight Chemical structure

CAS Number

Molecular Formula $C_{27}H_{28}N_2O_3$ 924416-43-3

InChiKey SHHUPGSHGSNPDB-UHFFFAOYSA-N

Appearance White solid