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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 buffer Storage instructions

Soluble in DMSO (~30mg/ml)

+4°C

Storage of solutions

Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions

Important

Stable for ambient temperature shipping. Follow storage instructions on receipt.

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 428.5

Molecular Formula CAS Number InChiKey

Appearance

C₂₇H₂₈N₂O₃ 924416-43-3

SHHUPGSHGSNPDB-UHFFFAOYSA-N

White solid