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DATASHEET

AdipoRon

Product overview

Name	AdipoRon
Cat No	HB3738
Purity	>98%
Description	Adiponectin receptor (AdipoR) agonist

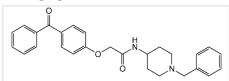
Biological Data

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.
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Solubility & Handling

Storage instructions	+4 °C
Storage buffer	Soluble in DMSO (~30mg/ml)
Important	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	428.5
Chemical structure	
Molecular Formula	$\text{C}_{27}\text{H}_{28}\text{N}_2\text{O}_3$
CAS Number	924416-43-3
InChiKey	SHHUPGSHGSNPDB-UHFFFAOYSA-N
Appearance	White solid