Datasheet

Product overview

Name: AdipoRon
Cat No: HB3738
Short description: Adiponectin receptor (AdipoR) agonist

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.

Purity: >98%

Properties

Molecular Weight: 428.5
Chemical structure:

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& \text{N} \\
\text{O} & \\
\text{H} & \\
\text{N} & \\
\text{Ph} & \\
\text{Ph} & \\
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\end{align*}
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CAS Number: 924416-43-3
InChiKey: SHHUPGSHGSNPDB-UHFFFAOYSA-N
Appearance: White solid

Storing and Using Your Product

Storage instructions: +4°C
Important: This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.