

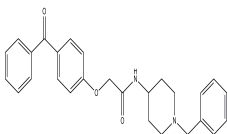
PRODUCT: AdipoRon

ALTERNATE NAME: 2-(4-Benzylphenoxy)-N-(1-benzylpiperidin-4-yl)acetamide

CATALOG #: 2565-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₇H₂₈N₂O₃

MOLECULAR WEIGHT: 428.54

CAS No. 924416-43-3

APPEARANCE: White solid

SOLUBILITY: DMSO (~40 mg/ml) or EtOH (~ 20 mg/ml)

PURITY: ≥98% by NMR

STORAGE: Store at -20°C. Protect from light and air

DESCRIPTION: A potent and selective adiponectin receptor agonist (K_d=1.8 and 3.1 μM for AdipoR1 and AdipoR2, respectively). Displays similar effects to adiponectin in muscle and liver such as activation of PPARα and AMPK signaling pathways. It also reverses insulin resistance and glucose intolerance in mice on a high-fat diet. It ameliorates diabetes in a genetically obese mouse model and prolongs the shortened lifespan of db/db mice on a high-fat diet.

REFERENCES: Okada-Iwabu, M., *et al.* (2013). *Nature* **503**, 493-499.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- Adiponectin, human recombinant (Cat. No. 4901-25, -100, -1000)
- Adiponectin, murine recombinant (Cat. No. 4902-25, -100, -1000)
- Adiponectin, rat recombinant (Cat. No. 4903-25, -100, -1000)
- gAcrp30/Adiponectin, human recombinant (Cat. No. 4591-25, -100, -1000)
- gAcrp30/Adiponectin, murine recombinant (Cat. No. 4592-25, -100, -1000)
- gAcrp30/Adiponectin, rat recombinant (Cat. No. 4593-25, -100, -1000)
- Adiponectin Antibody (Cat. No. 5901-50, -250)
- Adiponectin Antibody (Cat. No. 5902-50, -250)
- Adiponectin Antibody (Cat. No. 5903-50, -250)
- Adiponectin Antibody (Clone MADI-1147) (Cat. No. 5900-50)
- Adiponectin (human) Elisa Assay Kit (Cat. No. K4901-100)
- Adiponectin (mouse) Elisa Assay Kit (Cat. No. K4902-100)
- Adiponectin (rat) Elisa Assay Kit (Cat. No. K4903-100)

USAGE: *FOR RESEARCH USE ONLY! Not to be used in humans.*