



LKT Laboratories, Inc.

AdipoRon

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Product Information

Product ID A1334

CAS No. 924416-43-3

Chemical Name 2-(4-Benzoylphenoxy)-N-[1-(phenylmethyl)-4-piperidinyl]acetamide

Synonym

Formula C₂₇H₂₈N₂O₃

Formula Wt. 428.53

Melting Point

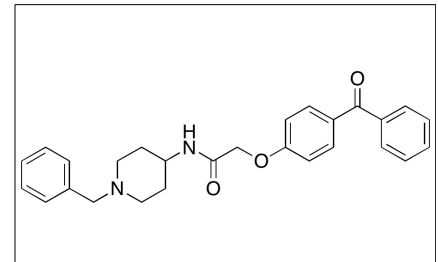
Purity ≥98%

Solubility Soluble in DMSO, 100%
ethanol or methanol.
Insoluble in water

Store Temp -20°C

Ship Temp Ambient

Description AdipoRon is an agonist at adiponectin receptors that increases secretion of AMPK and PPAR-α. AdipoRon exhibits anti-diabetic and cardioprotective activities and is in development as a potential treatment for type 2 diabetes mellitus (T2DM). In vivo, AdipoRon decreases insulin resistance and glucose tolerance, ameliorates diabetes, and increases lifespan. In animal models of myocardial ischemia/reperfusion, this compound improves cardiac function, decreases oxidative stress, and inhibits post-ischemic cardiomyocyte apoptosis.



Bulk quantities available upon request

Product ID	Size
A1334	10 mg
A1334	50 mg

References Zhang Y, Zhao J, Li R, et al. AdipoRon, the first orally active adiponectin receptor activator, attenuates postischemic myocardial apoptosis through both AMPK-mediated and AMPK-independent signalings. *Am J Physiol Endocrinol Metab.* 2015 Aug 1;309(3):E275-82. PMID: 26037251.

Okada-Iwabu M, Yamauchi T, Iwabu M, et al. A small-molecule AdipoR agonist for type 2 diabetes and short life in obesity. *Nature.* 2013 Nov 28;503(7477):493-9. PMID: 24172895.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.