



LKT Laboratories, Inc.

## AdipoRon Hydrochloride (water soluble)

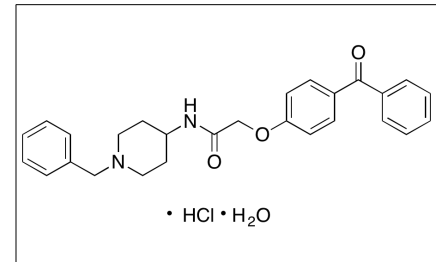
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### Product Information

**Product ID** A1335  
**CAS No.**  
**Chemical Name**  
  
**Synonym**  
  
**Formula**  $C_{27}H_{28}N_2O_3 \cdot HCl \cdot H_2O$   
**Formula Wt.** 483.01  
**Melting Point**  
**Purity**  $\geq 98\%$   
**Solubility** Highly soluble in DMSO.  
Soluble in 100% ethanol or  
methanol. Slightly soluble  
in water (1mg/ml).

**Store Temp**  $-20^{\circ}C$   
**Ship Temp** Ambient

**Description** AdipoRon is an agonist at adiponectin receptors that increases secretion of AMPK and PPAR- $\alpha$ . 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.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
A1335	10 mg	\$99.10
A1335	50 mg	\$396.40

**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.