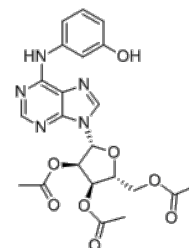


**Product Name** : IMM-H007  
**Cat. No.** : PC-38551  
**CAS No.** : 1221412-23-2  
**Molecular Formula** : C<sub>22</sub>H<sub>23</sub>N<sub>5</sub>O<sub>8</sub>  
**Molecular Weight** : 485.453  
**Target** : AMPK  
**Solubility** : 10 mM in DMSO



## Biological Activity

IMM-H007 (H007, WS070117) is a novel lipid-lowering agent and AMPK activator, reduces serum lipid levels and inhibits lipid accumulation both in vitro and in vivo.

IMM-H007 (WS070117) (10 μM) inhibited cellular lipid accumulation induced by Oleic acid (0.25 mM).

IMM-H007 (WS070117) (0.1-10 μM) up-regulated AMPK signaling in OLA-induced steatosis in HepG2 cells, IMM-H007 (WS070117) (6 and 18 mg/kg) treatment also upregulated hepatic cellular AMPK phosphorylation in HFD fed hamsters.

IMM-H007 also activated AMPK and markedly suppressed AngII-induced TGF-β1 expression in human cardiac fibroblasts-adult ventricular, alleviated AngII-induced cardiac fibrosis by regulating AMPK-TGF-β1 signaling.

## References

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Shi H, et al. *FEBS Open Bio*. 2017 Aug 29;7(9):1379-1391.

Wang MJ, et al. *Eur J Pharmacol*. 2019 Jun 5;852:167-178.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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