

## Product Data Sheet

Product Name: Resomelagon acetate  
Cat. No.: GC69814

### Chemical Properties

Cas. No. 1809420-72-1

Formula  $C_{16}H_{18}N_6O_4$

M.Wt 358.35

Solubility DMSO : 100 mg/mL (279.06 mM; Need ultrasonic)

Storage 4°C, away from moisture

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

Resomelagon (AP1189) acetate is a potent, orally active **melanocortin receptor (MR)** agonist about MC<sub>1</sub> and MC<sub>3</sub>. Resomelagon acetate induces ERK1/2 phosphorylation and Ca<sup>2+</sup> mobilization. Resomelagon acetate has anti-inflammatory activity. Resomelagon acetate can be used for obesity and chronic inflammation research<sup>[1][2]</sup>.

Resomelagon acetate 0-1000 μM 8 HEK293A ERK1/2 Ca<sup>2+</sup> [1]

Resomelagon acetate 1 nM 30 TNF-α [1]

Resomelagon acetate 0-10 mg/kg 24 C57BL/6J (WT) BALB/c [1]

Resomelagon acetate 25-50 mg/kg 8 C57BL/6J (WT) BALB/c [1]

[1]. Montero-Melendez T, et, al. Biased agonism as a novel strategy to harness the proresolving properties of melanocortin receptors without eliciting melanogenic effects. J

**Caution: Product has not been fully validated for medical applications. For research use only.**  
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Immunol. 2015 Apr 1;194(7):3381-8.

[2]. WHO Drug Information. International Nonproprietary Names for Pharmaceutical.

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