
Product Data Sheet

Product Name: Setmelanotide acetate

Cat. No.: GC39765

Chemical Properties

Cas. No. 1504602-49-6

Formula $C_{49}H_{68}N_{18}O_9S_2 \cdot xC_2H_4O_2$ M.Wt

Solubility Soluble in DMSO Storage Store at -20°C

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**

Setmelanotide acetate (RM-493 acetate) is a selective melanocortin 4 receptor (MC4R) agonist with EC50s of 0.27 nM and 0.28 nM for human and rat MC4R, respectively[1].

[1]. Kumar KG, et al. Analysis of the therapeutic functions of novel melanocortin receptor agonists in MC3R- and MC4R-deficient C57BL/6J mice. *Peptides*. 2009 Oct;30(10):1892-900. [2]. Kievit P, et al. Chronic treatment with a melanocortin-4 receptor agonist causes weight loss, reduces insulin resistance, and improves cardiovascular function in diet-induced obese rhesus macaques. *Diabetes*. 2013 Feb;62(2):490-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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