

Product Data Sheet

Product Name: GUB10194 acetate

Cat. No.: GC81563

Chemical Properties

Cas. No.

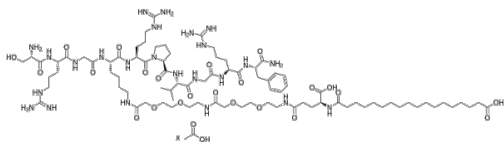
Formula $C_{85}H_{148}N_{24}O_{23} \cdot xC_2H_4O_2$ M.Wt 1874.23

Solubility DMSO: 33.33 mg/mL (Need ultrasonic) Storage Sealed storage, 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

GUB10194 acetate is a fully potent and selective GPR10 agonist with an EC₅₀ of 15 nM. GUB10194

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

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acetate does not significantly affect body weight or food intake [1].

In Vivo, GUB10194 (1250 nmol/kg; s.c.; twice daily) acetate does not produce significant body weight loss or food intake inhibition in diet-induced obese mice[1].

In Vitro, GUB10194 (30 min) acetate acts as a full, GPR10-selective agonist in Chem-1 cells expressing GPR10 ($EC_{50} = 15$ nM), with no activity detected in CHO-K1 cells expressing NPFF2R ($EC_{50} > 5000$ nM)[1].

References:

[1]. Alexopoulou F, et al. Lipidated PrRP31 metabolites are long acting dual GPR10 and NPFF2 receptor agonists with potent body weight lowering effect. Sci Rep. 2022;12(1):1696. Published 2022 Feb 1.

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