
Product Data Sheet

Product Name: RR-RJW100

Cat. No.: GC67875

Chemical Properties

Cas. No.

Formula C₂₈H₃₄O

M.Wt 386.57

Solubility DMSO : 100 mg/mL (258.69 mM; Need ultrasonic) 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**

RR-RJW100, the enantiomer of RJW100, is an nuclear receptor liver receptor homolog 1 (**LRH-1**) and steroidogenic factor 1 (**SF-1**) agonist. RJW100 can be synthesized as two enantiomers, RR-RJW100 and SS-RJW100, with RR-RJW100 shown to be the more potent LRH-1 agonist. RR-RJW100 is involved in the regulation of metabolic homeostasis and is used in studies of diabetes, liver disease and inflammatory bowel disease^{[1][2]}.

[1]. Suzanne G Mays, et al. Enantiomer-specific activities of an LRH-1 and SF-1 dual agonist. Sci Rep. 2020 Dec 17;10(1):22279.

[2]. Alisa Lang, et al. The Medicinal Chemistry and Therapeutic Potential of LRH-1 Modulators. J Med Chem. 2021 Dec 9;64(23):16956-16973.

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

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