

Product Data Sheet

Product Name: R06039-691

Cat. No.: GC79320

Chemical Properties

Cas. No. 2138445-51-7

Formula $C_{28}H_{35}N_3O_3$

M.Wt 461.6

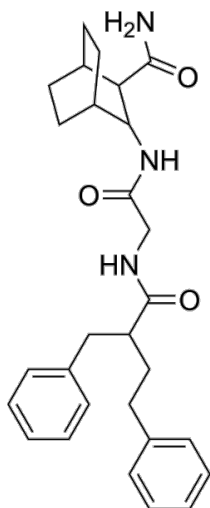
Solubility DMSO: 100 mg/mL (216.64 mM;
Need ultrasonic)

Storage Store at room temperature, keep dry
and cool

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

R06039-691 is a neuropeptide S receptor (NPSR) agonist with an EC 50 of 93 nM. By activating NPSR, R06039-691 participates in the regulation of multiple biological functions including arousal,

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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stress and anxiety responses, memory processes, and food intake. R06039-691 can be used for research on NPSR -related diseases such as anxiety, insomnia, narcolepsy, and cognitive impairment [1].

In Vitro, R06039-691 acts as an agonist of NPSR in RD-HGA16 cells stably expressing human NPS receptor, with an EC₅₀ of 93 nM^[1].

References:

[1]. Runyon S, et al. Neuropeptide S receptor (NPSR) agonists. International Patent Application No. WO 2017/176461 A1. Published October 12, 2017.

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