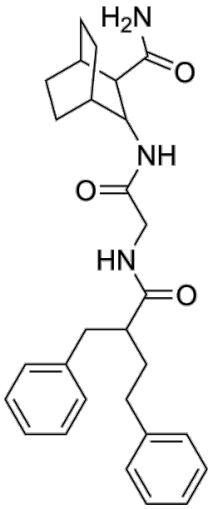
Product Data Sheet

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,

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.