
Product Data Sheet

Product Name: NCGC00379308

Cat. No.: GC19543

Chemical Properties

Cas. No. 662164-09-2

Chemical Name N-(1-phenylethyl)-2-(1-piperazinyl)-4-quinazolinamine

Formula C₂₀H₂₃N₅ M.Wt 333.439

Solubility DMSO : ≥ 125 mg/mL (374.89 mM) 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**

A potent, functionally selective TSH receptor (TSHR) positive allosteric modulator with EC₅₀ of 11.6 μM (β-Arr 1 translocation); does not activate β-Arr 1 translocation to the GLP1R, binds and activates the TSHR and has no agonistic effect on cAMP production nor inhibit TSH-induced cAMP production in DiscoverX1 cells and primary cultures of human thyrocytes; potentiates TSH-induced upregulation of ALPL and OPN mRNA levels, and increases TSH-induced secretion of OPN protein; potentiates the effect of TSH to enhance differentiation of a human preosteoblast in an in vitro model

Reference:

[1]. Neumann S, et al. J Pharmacol Exp Ther. 2018 Jan;364(1):38-45..

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