

Product Data Sheet

Product Name: 0990CL
Cat. No.: GC63946

Chemical Properties

Cas. No. 511514-03-7

Formula $C_{21}H_{21}N_5$ M.Wt 343.42

Solubility DMSO : 50 mg/mL (145.59 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.

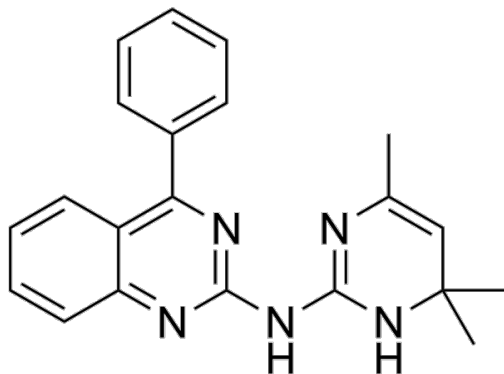
Caution: Product has not been fully validated for medical applications. For research use only.

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

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Structure



Background

0990CL is a specific heterotrimeric G α i subunit inhibitor by direct interaction with G α i [1]. 0990CL partially restored cAMP levels by inhibiting G α i and blocking α 2AR-mediated cAMP regulation[2].

References:

- [1] Ayoub M A. Small molecules targeting heterotrimeric G proteins[J]. European journal of pharmacology, 2018, 826: 169-178.
- [2] Appleton K M, Bigham K J, Lindsey C C, et al. Development of inhibitors of heterotrimeric G α i subunits[J]. Bioorganic & medicinal chemistry, 2014, 22(13): 3423-3434.

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