
Product Data Sheet

Product Name: Rac-VU 6008667

Cat. No.: GC38111

Chemical Properties

Cas. No. 2092917-63-8

SMILES O=C1N2C(N(C(C3=CC=C(F)C(F)=C3)=O)CC2)(C4=CC=C(Cl)C(C)=C4)C5=C1C=CC=C5Formula $C_{24}H_{17}ClF_2N_2O_2$

M.Wt 438.85

Solubility DMSO: 125 mg/mL (284.84 mM); Water: < 0.1 mg/mL (insoluble)

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**

Rac-VU 6008667 is a selective negative allosteric modulator of muscarinic acetylcholine receptor subtype 5 (M5 NAM) with IC50s of 1.2 μM and 1.6 μM for human M5 and rat M5, respectively. Rac-VU 6008667 has high CNS penetration[1]. M5 NAM: muscarinic acetylcholine receptor subtype 5.

[1]. McGowan KM et al, Continued optimization of the M5 NAM ML375: Discovery of VU6008667, an M5 NAM with high CNS penetration and a desired short half-life in rat for addiction studies. Bioorg Med Chem Lett. 2017 Mar 15;27(6):1356-1359.

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