

Product Data Sheet

Product Name: PDE5-IN-9

Cat. No.: GC75537

Chemical Properties

Cas. No. 157862-84-5

Formula $C_{18}H_{14}N_4S$

M.Wt 318.4

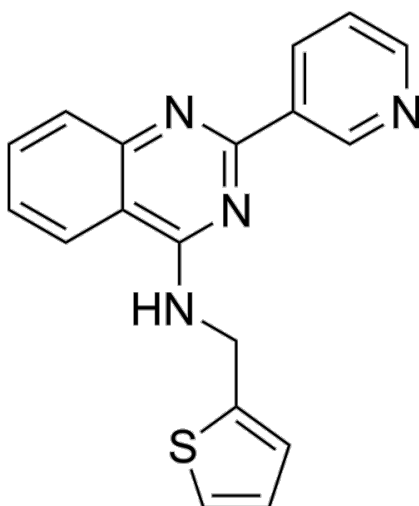
Solubility DMSO: 100 mg/mL (314.07 mM;
Need ultrasonic)

Storage 4°C, protect from light

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

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

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PDE5-IN-9 (Compound 59) is a PDE5 inhibitor (IC_{50} : 11.2 μ M). PDE5-IN-9 shows interaction with Gln 817, Tyr 612, and Ala 767 amino acid residues. PDE5-IN-9 can be used for research of cardiovascular disease^[1].

References:

[1]. Sarvesh Paliwal, et al. Pharmacophore and molecular docking based identification of novel structurally diverse PDE-5 inhibitors. Medicinal Chemistry Research. 2015, 24, 576-587.

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