

Product Data Sheet

Product Name: PIK-108
Cat. No.: GC62340

Chemical Properties

Cas. No. 901398-68-3

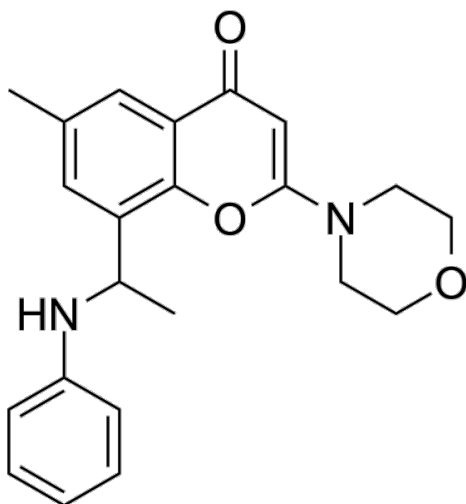
Formula $C_{22}H_{24}N_2O_3$ M.Wt 364.44

Solubility DMSO : 50 mg/mL (137.20 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.

Structure



Background

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

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PIK-108 is a non-ATP competitive, allosteric p110 β /p110 δ selective inhibitor[1].

PIK-108 (0.1-10 μ M; 1 hour) blocks phosphorylation of PKB/Akt[1].

[1]. Zachary A Knight, et al. A pharmacological map of the PI3-K family defines a role for p110 α in insulin signaling. Cell. 2006 May 19;125(4):733-47.

[2]. Jack S Chen, et al. Characterization of structurally distinct, isoform-selective phosphoinositide 3'-kinase inhibitors in combination with radiation in the treatment of glioblastoma. Mol Cancer Ther. 2008 Apr;7(4):841-50.

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