
Product Data Sheet

Product Name: FAK-IN-7
Cat. No.: GC68030

Chemical Properties

Cas. No. 19948-85-7

Formula $C_{16}H_{13}N_3OS$ M.Wt 295.36

Solubility DMSO : 10 mg/mL (33.86 mM; ultrasonic and warming and heat to 60°C) 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

FAK-IN-7 (compound 5r) is a **FAK** inhibitor (**IC₅₀**=11.72 μM). FAK-IN-7 has good anti-proliferative activity and can be used in cancer research^[1].

FAK-IN-7 (0-10 μM; 48 h) inhibits MCF-7 and B16-F10 cells proliferation^[1].

Cell Proliferation Assay^[1]

Cell Line: MCF-7 and B16-F10 cells

Concentration: 0-10 μM

Incubation Time: 48 h

Result: Exhibited anti-proliferative activity against MCF-7 and B16-F10 cells with IC₅₀ values of 3.57 and 3.52 μM, respectively.

[1]. Yang XH, et al. Synthesis, biological evaluation, and molecular docking studies of

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

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1,3,4-thiadiazol-2-amide derivatives as novel anticancer agents. Bioorg Med Chem. 2012 May 1;20(9):2789-95.

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