

Product Data Sheet

Product Name: PVZB1194

Cat. No.: GC72926

Chemical Properties

Cas. No. 1141768-04-8

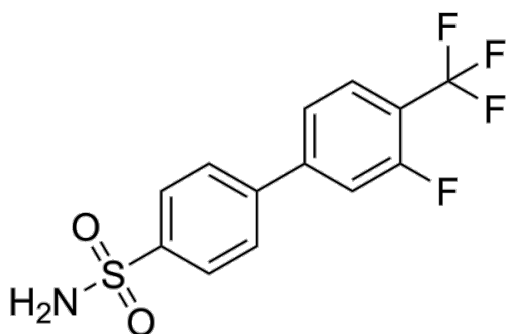
Formula $C_{13}H_9F_4NO_2S$ M.Wt 319.27

Solubility DMSO : 250 mg/mL (783.04 mM; Storage -20°C
Need ultrasonic)

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

PVZB1194 is a biphenyl-type inhibitor of Kinesin spindle protein Eg5 or KIF11. Eg5 is related to the cell cycle, and Eg5 inhibition can lead to cell cycle arrest and apoptosis. PVZB1194 exhibits

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

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anticancer potential via inhibiting Eg5 ATPase activity. PVZB1194 binds to the $\alpha 4/\alpha 6$ allosteric pocket, and shows ATP competitive activity.

References:

[1]. Yokoyama H, et al. Structural basis of new allosteric inhibition in Kinesin spindle protein Eg5. ACS Chem Biol. 2015 Apr 17;10(4):1128-36.

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