
Product Data Sheet

Product Name: CDK4/6-IN-3

Cat. No.: GC35634

Chemical Properties

Cas. No. 2366237-37-6

SMILES FC1=CN=C(NC2=NC=C(N3CC4(CN(CC)C4)C3)C=C2)N=C1C5=C([C@H](C)CCCC6)N6N=C5Formula C₂₅H₃₁FN₈ M.Wt 462.57

Solubility Soluble in DMSO 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**

CDK4/6-IN-3 is a brain-penetrant CDK4/CDK6 inhibitor with Kis of <0.3 nM and 2.2 nM, respectively. CDK4/6-IN-3 inhibits CDK1 with a Ki of 110 nM. CDK4/6-IN-3 can be used for the treatment of glioblastoma[1]. CDK4|0.3 nM (Ki)|CDK6|2.2 nM (Ki)|CDK1|110 nM (Ki)

CDK4/6-IN-3 (Compound 24) inhibits MCF7 and BT549 cell lines proliferation with EC50s of 30 nM and 2.1 μM, respectively[1].

[1]. Bronner SM, et al. Design of a brain-penetrant CDK4/6 inhibitor for glioblastoma. Bioorg Med Chem Lett. 2019 Aug 15;29(16):2294-2301.

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

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