
Product Data Sheet

Product Name: CDK4-IN-1-d6

Cat. No.: GC62894

Chemical Properties

Cas. No.

Formula C₂₂H₂₃D₆ClN₈

M.Wt

447.01

Solubility

Storage

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-IN-1-d6 is a deuterium labeled CDK4-IN-1. CDK4-IN-1 (compound 63) is a CDK4 inhibitor (IC₅₀= 10 nM)[1].

Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process[1].

[1]. Cho YS, Borland M, Brain C, et al. 4-(Pyrazol-4-yl)-pyrimidines as selective inhibitors of cyclin-dependent kinase 4/6. J Med Chem. 2010;53(22):7938-7957.

[2]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-216.

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

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