

Product Data Sheet

Product Name: PKR-IN-C51

Cat. No.: GC64483

Chemical Properties

Cas. No. 1314594-23-4

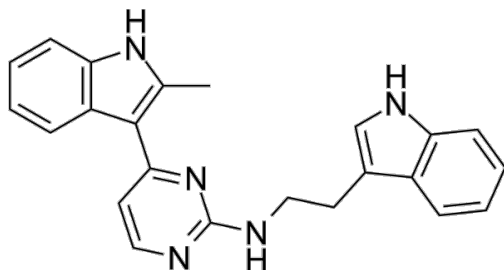
Formula C₂₃H₂₁N₅ M.Wt 367.45

Solubility DMSO : 125 mg/mL (340.18 mM; ultrasonic and warming and heat to 60°C) Storage 4°C, protect from light

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

PKR-IN-C51 (compound 51) is an ATP-competitive double-stranded RNA-activated protein kinase (PKR) inhibitor with an IC₅₀ of 9 μM. PKR-IN-C51 inhibits intracellular PKR activation in a dose-dependent manner in primary mouse macrophages[1].

[1]. Ruslana Bryk, et al. Identification of new inhibitors of protein kinase R guided by statistical modeling. Bioorg Med Chem Lett. 2011 Jul 1;21(13):4108-14.

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

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