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## Product Data Sheet

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Product Name: PIKfyve-IN-1

Cat. No.: GC69711

### Chemical Properties

Cas. No. 2857982-26-2

Formula C<sub>20</sub>H<sub>21</sub>N<sub>5</sub>

M.Wt 331.41

Solubility DMSO : 100 mg/mL (301.74 mM; ultrasonic and warming and heat to 80°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

IC<sub>50</sub>: 6.9 nM (PIKfyve)<sup>[1]</sup>

PIKfyve-IN-1 is a highly potent and cell-active chemical probe that inhibits **phosphatidylinositol-3phosphate 5-kinase (PIKfyve)** with **IC<sub>50</sub>** value of 6.9 nM. PIKfyve-IN-1 can be used for the research of Inhibited the uptake of lentivirus pseudotyped with the SARS-CoV-2 spike glycoprotein.

[1]. David H Drewry, et al. Identification and Utilization of a Chemical Probe to Interrogate the Roles of PIKfyve in the Lifecycle of β-Coronaviruses. J Med Chem

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

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