

Product Data Sheet

Product Name: HPK1-IN-3

Cat. No.: GC62514

Chemical Properties

Cas. No. 2739844-34-7

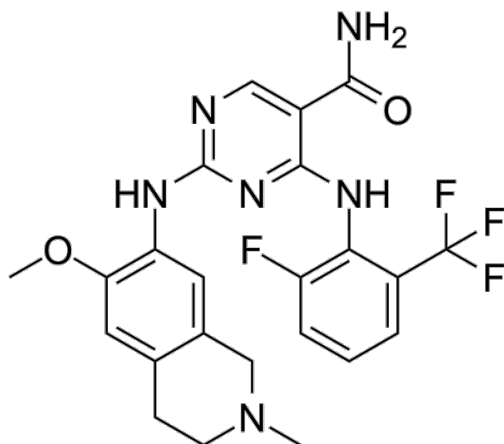
Formula $C_{23}H_{22}F_4N_6O_2$ M.Wt 490.45

Solubility DMSO : 83.33 mg/mL (169.91 mM; Storage Store at -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

HPK1-IN-3 is a potent and selective ATP-competitive hematopoietic progenitor kinase 1 (HPK1; MAP4K1) inhibitor with an IC₅₀ of 0.25 nM. HPK1-IN-3 has IL-2 cellular potency with an EC₅₀ of 108 nM in human peripheral blood mononuclear cells (PBMCs)[1].

HPK1-IN-3 (compound 27; 0.25-4 μM; 24-h) treatment shows a statistically significant elevation of proinflammatory cytokines IL-6 and TNF-α was observed in a concentration-dependent manner in

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

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human monocyte-derived dendritic cells[1].

[1]. Brandon A Vara, et al. Discovery of Diaminopyrimidine Carboxamide HPK1 Inhibitors as Preclinical Immunotherapy Tool Compounds. ACS Med Chem Lett. 2021 Mar 19;12(4):653-661.

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