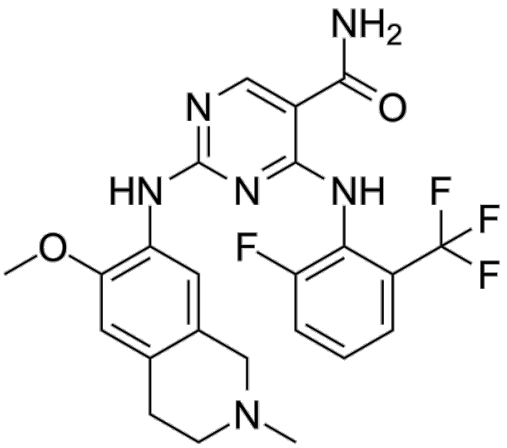
# Product Data Sheet

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; Need ultrasonic) | 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

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

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.

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