

GSK2334470, Selective PDK1 (PDPK1) inhibitor

Catalog	Unit
TBI4725-5MG	5 mg
TBI4725-25MG	25 mg

Product Details

Formal Name: (3S,6R)-1-[6-(3-Amino-1H-indazol-6-yl)-2-(methylamino)-4-pyrimidinyl]-N-cyclohexyl-6-methyl-3-piperidinecarboxamide

Alternate Names: GSK-470

Molecular Formula: C₂₅H₃₄N₈O

Formula Weight: 462.60

CAS Number: 1227911-45-6

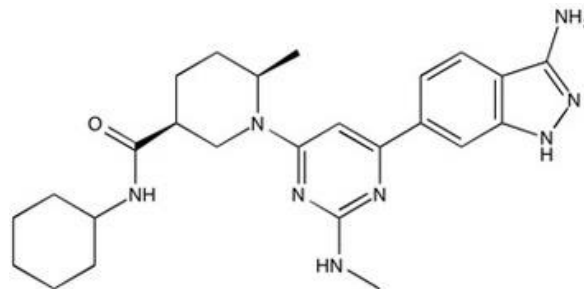
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (40 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Selective PDK1 (PDPK1) inhibitor

Functions

Inhibits 'master kinase' PDK1 (3-phosphoinositide-dependent protein kinase, PDPK1), potently (IC₅₀ = 10 nM) and specifically (5 μM does not inhibit even closely related kinases). GSK2334470 thus blocks activation of protein kinases (PK) A, G, and C, and further downstream, Akt, S6K, and mTORC1. Inhibits ferroptosis, and shows antitumor activity in multiple myeloma, prostate, and other cancers.

Application Procedures

First dissolved in DMSO (40 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.