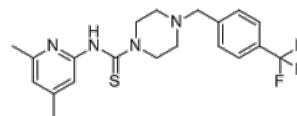


Product Name : NCT-503
Cat. No. : PC-62264
CAS No. : 1916571-90-8
Molecular Formula : C₂₀H₂₃F₃N₄S
Molecular Weight : 408.487
Target : PHGDH
Solubility : 10 mM in DMSO



Biological Activity

NCT-503 (NCT503) is a small molecule 3-phosphoglycerate dehydrogenase (**PHGDH**) inhibitor (IC₅₀=2.5 uM) that reduces the production of glucose-derived serine in cells and suppress the growth of PHGDH-dependent cancer cells.

NCT-503 exhibits EC₅₀ of 8-16 uM for the PHGDH-dependent cell lines; has reasonable aqueous solubility and favorable ADME properties.

NCT-503 selectively increases necrosis in MDA-MB-468 xenografts.

References

Pacold ME, et al. *Nat Chem Biol.* 2016 Jun;12(6):452-8.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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