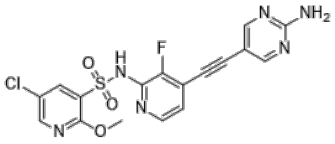
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Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	APL-4098
Cat. No.	:	PC-26070
CAS No.	:	2752441-61-3
Molecular Formula	:	$C_{17}H_{12}ClFN_6O_3S$
Molecular Weight	:	434.83
Target	:	Other Targets
Solubility	:	10 mM in DMSO



CAS: 2752441-61-3

Biological Activity

APL-4098 is a potent, selective, ATP-binding site competitive **GCN2** inhibitor with Ki of 4.39 nM in TR-FRET assays.
APL-4098 inhibits eIF2α phosphorylation in a concentration-dependent manner with IC50 of 50.8 nM in HTRF assays in the presence of borrelidin.
APL-4098 induces cell death in patient derived AML cells.
APL-4098 impairs mitochondrial respiration and triggers the mitochondrial unfolded protein response (UPR).
APL-4098 (0.5 and 5 mg/kg, oral) shows anti-tumor activity in AML CDX model.
Combined APL-4098 and venetoclax reduce leukemic burden and depletes LSCs in vivo.

References

Román-Trufero M, et al. ***Clin Cancer Res.*** 2026 Feb 23. doi: 10.1158/1078-0432.CCR-25-1444.

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

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