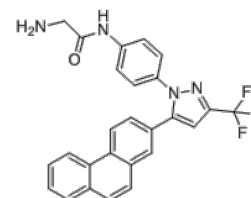


Product Name : OSU-03012
Cat. No. : PC-60605
CAS No. : 742112-33-0
Molecular Formula :
Molecular Weight :
Target : PDK1
Solubility :



Biological Activity

OSU-03012 (AR-12) is a novel potent, orally active 3-phosphoinositide-dependent kinase-1 (**PDK-1**) with IC₅₀ of 5 μM; induces apoptosis in PC-3 cells at low microM range, causes Akt dephosphorylation and inhibition of p70 S6 kinase activity; displays cytotoxicity against a panel of 60 cell lines with mean GI₅₀ of 3 μM; decreases incidences of carcinoma and metastasis in transgenic mouse model of prostate cancer.

Blood Cancer

Phase 1 Clinical

References

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Tseng PH, et al. *Blood*. 2005 May 15;105(10):4021-7.
Zhu J, et al. *Cancer Res*. 2004 Jun 15;64(12):4309-18.
Baryawno N, et al. *Cancer Res*. 2010 Jan 1;70(1):266-76.

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

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