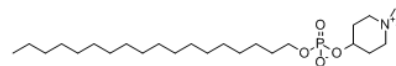


Product Name : Perifosine
Cat. No. : PC-45903
CAS No. : 157716-52-4
Molecular Formula : C₂₅H₅₂NO₄P
Molecular Weight : 461.6584
Target : Akt
Solubility : 10 mM in DMSO



Biological Activity

Perifosine (KRX-0401, D21266) is an oral bioavailable alkylphospholipid, acts as an **Akt** inhibitor and a **PI3K** inhibitor, induces p21(WAF1) expression in squamous carcinoma cells through a p53-independent pathway. Perifosine enhances apoptosis and inhibits the growth of xenografts in nude mice combined with a lysosomal inhibitor. Perifosine displays significant antiproliferative activity in vitro and in vivo in several human tumor model

References

- Kondapaka SB, et al. *Mol Cancer Ther.* 2003 Nov;2(11):1093-103.
Patel V, et al. *Cancer Res.* 2002 Mar 1;62(5):1401-9.
Becher OJ, et al. *Cancer Res.* 2010 Mar 15;70(6):2548-57.

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

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