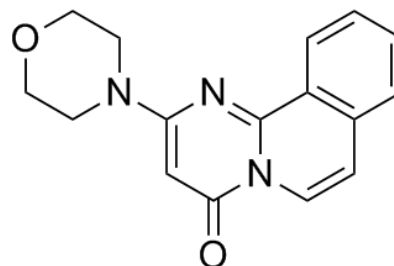


Product Name : Compound 401
Cat. No. : PC-45615
CAS No. : 168425-64-7
Molecular Formula : C₁₆H₁₅N₃O₂
Molecular Weight : 281.3092
Target : DNA-PK
Solubility : DMSO: 6 mg/mL



Biological Activity

Compound 401 is a synthetic inhibitor of DNA-PK with IC₅₀ of 0.28 μM, also inhibits mTOR (IC₅₀=5.3 μM).

Compound 401 shows no inhibition on p110α/p85α PI3K (>100 μM).

Compound 401 blocks the phosphorylation of S6 kinase 1 Thr389 and Akt Ser473 in COS7 cells.

References

Ballou LM, et al. *J Biol Chem*. 2007 Aug 17;282(33):24463-70.

Griffin RJ, et al. *J Med Chem*. 2005 Jan 27;48(2):569-85.

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

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