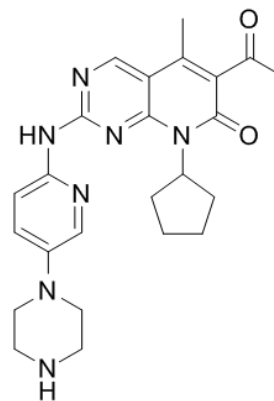


Product Name : Palbociclib
Cat. No. : PC-45862
CAS No. : 571190-30-2
Molecular Formula : C₂₄H₂₉N₇O₂
Molecular Weight : 447.5327
Target : Cyclin-dependent Kinase (CDK)
Solubility :



Biological Activity

A potent and selective inhibitor of CDK4/6 with IC₅₀ of 11 nM/16 nM; no inhibition for CDK2A (IC₅₀>5 μM); inhibits MDA-MB453 cells with IC₅₀ of 0.16 μM; shows antiproliferative effect against retinoblastoma (Rb)-positive tumor cells in vitro and reduces the phospho-Ser780/Ser795 on the Rb protein; orally bioavailable.

Breast Cancer

Approved

References

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Fry DW, et al. Mol Cancer Ther. 2004 Nov;3(11):1427-38.

Baughn LB, et al. Cancer Res. 2006 Aug 1;66(15):7661-7.

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

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