SU 9516

CDK/cyclin inhibitor

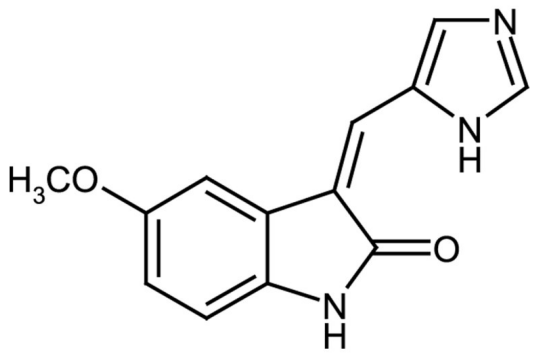
Cell permeable, potent, selective and ATP-competitive inhibitor of CDK2/cyclin A (IC_{50}=22nM), CDK1/cyclin B (IC_{50}=40nM) and CDK4/cyclin D1 (IC_{50}=200nM). Has no effect on the activity of PKC, p38, PDGFRβ and EGFR (IC_{50}>10μM). Displays anti-proliferative and pro-apoptotic properties in tumor cells. Inhibits proliferation of growth factor-stimulated colon carcinoma cells by binding to CDK2 and thus preventing the phosphorylation of pRb and its dissociation from E2F.

Citations: 4 View Online »

Ordering Information Order Online »

ALX-270-400-M005	5mg

Manuals, SDS & CofA View Online »

 N N H H3CO O N H	

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light. Packaged under inert gas.
Long Term Storage	+4°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	3-[1-(3H-Imidazol-4-yl)-meth-(Z)-ylidene]-5-methoxy-1,3-dihydro-indol-2-one
Appearance	Yellow to orange solid.
CAS	377090-84-1
Couple Target	CDK, Cyclin
Couple Type	Inhibitor
Formula	$C_{13}H_{11}N_3O_2$
MW	241.3
Purity	≥95% (HPLC)
Solubility	Soluble in DMSO (10mg/ml).

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