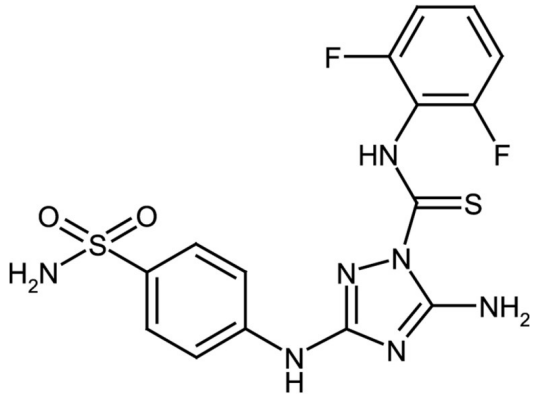
CDK1/2 Inhibitor III

Cell permeable triazolo-diamine compound that displays anti-proliferative properties in various human cancer cells (IC_{50}=20nM, 35nM and 92nM in HCT-116, HeLa, and A375 cells). Acts as a highly potent, ATP-competitive inhibitor of CDK1/cyclin B and CDK2/cyclin A (IC_{50}=600pM and 500pM) with selectivity over VEGF-R2 and GSK-3β (IC_{50}=32nM and 140nM).

Citations: 4 View Online »

Manuals, SDS & CofA View Online »

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stock solutions are stable for up to 6 months when stored at -20°C.
Handling	Protect from light.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	5-Amino-3-((4-(aminosulfonyl)phenyl)amino)-N-(2,6-difluorophenyl)-1H-1,2,4-triazole-1-carbothioamide
Appearance	White to off-white solid.
CAS	443798-55-8
Couple Target	CDK, GSK, VEGFR
Couple Type	Inhibitor
Formula	$C_{15}H_{13}F_2N_7O_2S_2$
Identity	Identity determined by NMR.
MW	425.4
Purity	≥95% (HPLC)
Solubility	Soluble in DMSO (10mg/ml), tetrahydrofuran or acetone.

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