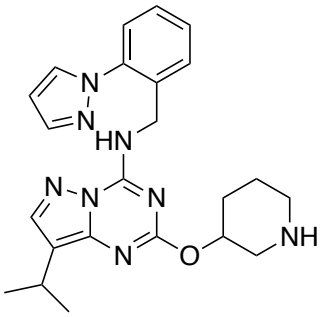
CDK15

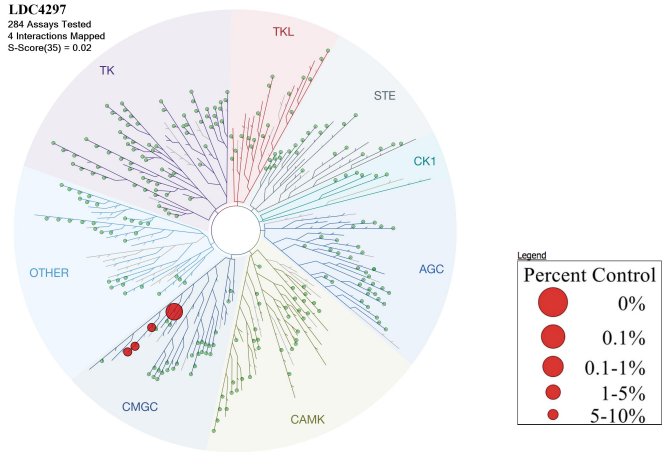


LDC4297

Chemical Name: *N*-(2-(1*H*-pyrazol-1-yl)benzyl)-8-isopropyl-2-(piperidin-3-yloxy)pyrazolo[1,5-*a*][1,3,5]triazin-4-amine
CHEBI: 144671
Smile String:
CC(C1=C2N(N=C1)C(NCC3=CC=CC=C3N4N=CC=C4)=NC(OC5CNCCC5)=N2)C
Chemical Formula: $C_{23}H_{28}N_8O$
Molecular Weight: 432.53
cLogP: 1.1644
Source: Selleck Chem, Med Chem Express
Reference: Hutterer, C.; *et al*. "A Novel CDK7 Inhibitor of the Pyrazolotriazine Class Exerts Broad-Spectrum Antiviral Activity at Nanomolar Concentrations." *Antimicrob Agents Chemother* **2015**, *59*, 2062.

Biochemical profiling

ProQinase assay panel (333 human kinases)
S_{50} (100nM): 0.018 (6 kinase < 50% control)
CDK15 K_d = 91 nM



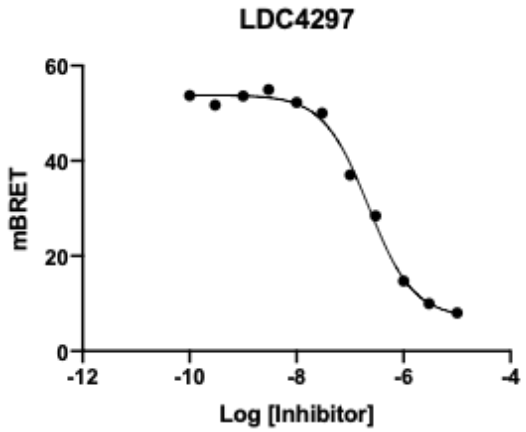
Kinase	% Control @ 1uM
CDK7/CycH/MAT1	2
CDK5/p35NCK	10
CDK2/CycE	18
CDK5/p25NCK	22
CDK2/CycA	27
CDK3/CycE	35

a.Treespot of ProQinase data. b. List of kinases inhibited < 50% control

Cellular target engagement in HEK293 cells

NLuc-CDK15 (N term)

CDK15 IC_{50} = 220 nM



Cellular target engagement of LDC4297 with CDKL15