Materials List for:

Development of Inhibitors of Protein-protein Interactions through REPLACE: Application to the Design and Development Non-ATP Competitive CDK Inhibitors

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Materials

Name	Company	Catalog Number	Comments	
Computational Chemistry				
Accelyrs Discovery studio 3.0				
Dell Optiplex Workstations				
Synthetic Organic Chemistry				
		hromatography, Waters Alliance 2695		
spectra were recorded with a Varian	Mercury 300 and 400 Spectrometer,	(Phenomenox Luna) for purity deterr respectively. Mass spectra were mea zation (ESI) and VG 70S (Double-foc	asured with a Micromass QTOF	
Flourescence Polarization Assay				
384 micro well plates, Micro pipets	Grenier Bio-one	110256602		
CDK4D1 and CDK2CA (well purified recombinant human kinase complex)	BPS Bio Sciences	40094(CDK4/Cyclin D), 41101(CDK2/Cyclin A)		
assay buffer (25 nM HEPES pH 7, 1	0 mM NaCl, 0.01% Nonidet P-40, 1 r	mM dithiothretiol (DTT))		
25 nM HEPES	CALBIOCHEM	375368		
NaCl	Fisher	127838		
Nonidet P-40	US Biological	N3500		
DTT	Aldrich			
-70 °C freezer	Revco (Ultima II)			
DTX880 multimode detector fitted with 485 nm/535 nm excitation/ emission filters and a dichroic mirror suitable for fluorescein	Beckman Coulter, Brea, CA			
Cell Culture				
96 well plates	Fisher			
Frozen stocks of U2OS (osteosarcoma) and DU145 (prostate cancer) cell lines	ATCC			
NU serum, DMEM media, trypsin, PEN/STRIP, MTT reagent	Fisher, Life technology, Alfa Aesar			
Heamocytometer	VWR			
-70 °C freezer	Revco (Ultima II)			
Incubator	Thermo electron corporation			
Centrifuge	Eppendorf	5804 R		
Refrigerator 4-8 °C	Isotemp Fisher			

DTX880 multimode detector fitted Beckman Coulter, Brea, CA with 595 nm filter	
with 595 nm filter	
With 600 link like	