# Agents available in the Medicinal Chemistry Shared Resource (All agents are available in bulk via custom synthesis with a special OSUCCC rate)

# Ataxia Telangiectasia mutated and Rad3 related (ATR) protein kinase inhibitor

Charrier et al. (2011) "Discovery of Potent and Selective Inhibitors of Ataxia Telangiectasia Mutated and Rad3 Related (ATR) Protein Kinase as Potential Anticancer Agents" *J. Med. Chem.*, Epub ahead of print

Price: 5 mg, \$200

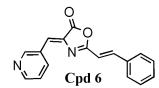
**Cpd 45** 

### Bruton's tyrosine kinase (Btk) inhibitor

Paolo et al. (2011) "specific Btk inhibition suppresses B cell- and myeloid cell-mediated arthritis" *Nat Chem Biol* 7, 41-50

### Price: 5 mg, \$200

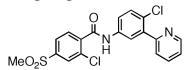
### Death-associated protein kinase-1 (DAPK-1) inhibitor



Okamoto et al. (2009) "Identification of Death-Associated Protein Kinases Inhibitors Using Structure-Based Virtual Screening" *J. Med. Chem.* 53, 7323-7

## Price: 5 mg, \$200

### Hedgehog inhibitor



Robarge et al. (2009) "GDC-0449 - A potent inhibitor of the hedgehog pathway" *Bioorg. Med. Chem. Lett.* 19, 5576-81

#### **GDC-0449**

# Price: 5 mg, \$100

# Phosphoinositide 3-kinase $\delta$ (PI3K $\delta$ ) inhibitor

Sadhu et al. (2003) "Essential Role of Phosphoinositide 3-Kinase in Neutrophil Directional Movement" *J. Immunol*. 170, 2647-54

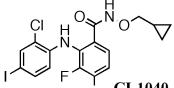
Price: 5 mg, \$200

### p90 Ribosomal S6 kinase (RSK) inhibitor

Sapkota et al. (2007) "BI-D1870 is a specific inhibitor of the p90 RSK (ribosomal S6 kinase) isoforms *in vitro* and *in vivo*" *Biochem. J.* 401, 29-38

Price: 5 mg, \$200

### MAPK kinase (MEK) inhibitor

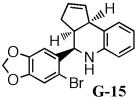


Allen et al. (2003) "CI-1040 (PD184352), a targeted signal transduction inhibitor of MEK (MAPKK)" Semin. Oncol. 30 (suppl 16) 105-16

CI-1040

Price: 5 mg, \$100

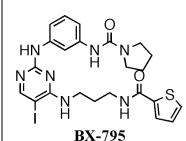
### G protein-coupled receptor GPR30 antagonist



Dennis et al. (2009) "In vivo effects of a GPR30 antagonist" Nat. Chem. Biol. 5, 421-7

Price: 5 mg, \$200

#### TANK-binding kinase 1 (TBK1) inhibitor

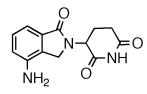


Clark et al. (2009) "Use of the Pharmacological Inhibitor BX795 to Study the Regulation and Physiological Roles of TBK1 and IκB Kinase ε" J. Biol. Chem. 284, 14136-46

Barbie et al. (2009) "Systematic RNA interference reveals that oncogenic KRAS-driven cancers require TBK1" *Nature* 462, 108-12

Price: 5 mg, \$200

#### Immune modulator



Herman et al. (2011) "The role of phosphatidylinositol 3kinase-δ in the immunomodulatory effects of lenalidomide in chronic lymphocytic leukemia" Blood 2011 Mar 4. [Epub ahead of print]

Lenalidomide

Price: 5 mg, \$200

### Poly(ADP-ribose) polymerase (PARP) inhibitors

$$H_2N \downarrow O$$
 $NO_2$ 
 $BSI-201$ 

Price: 5 mg, \$100

Price: 5 mg, \$100

Price: 5 mg, \$100