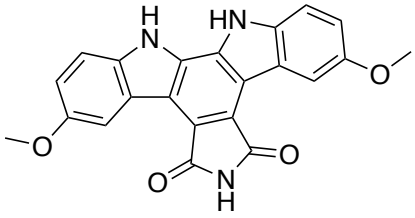
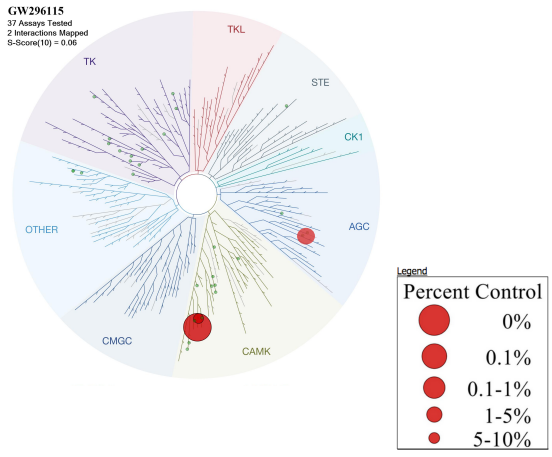
BRSK2



GW296115 (3744W)

Chemical Name: 3,9-dimethoxy-12,13-dihydro-5*H*-indolo[2,3-*a*]pyrrolo[3,4-*c*]carbazole-5,7(6*H*)-dione
CHEBI:143121
Smile String:
COC1=CC2=C(NC3=C2C4=C(C(NC4=O)=O)C5=C3NC6=C5C=C(OC)C=C6)C=C1
Chemical Formula: $C_{22}H_{15}N_3O_4$
Molecular Weight: 385.38
cLogP: 3.734
Source: SGC-UNC
Reference:
Elkins, J. M.; *et al*. "Comprehensive characterization of the Published Kinase Inhibitor Set." *Nat Biotechnol*. 2016, 34, 95–103.

Biochemical profiling
Nanosyn (228 human kinases)
S_{10} (1μM): 0.0155 (3 kinases < 10% control)



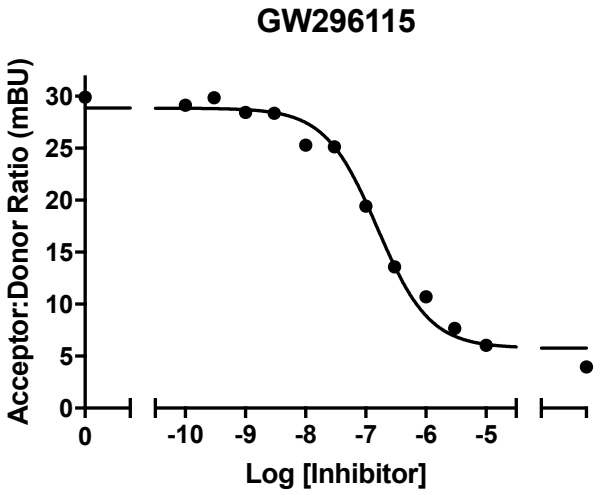
Kinase	% control @ 1uM
BRSK1	0
BRSK2	5
RSK3	8

List of kinases inhibited < 10% of control

Cellular target engagement in HEK293 cells

NLuc-BRSK2 (N term)

BRSK2 IC_{50} = 160 nM



Cellular target engagement of GW296115 with BRSK2