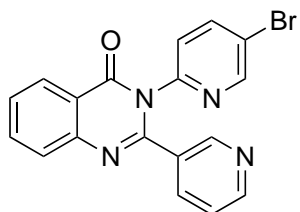


READDI-AC Compound CV

Compound IDs

Investigator or Origin	Nick Heaton
Investigator ID	
READDI-AC ID	RA-0020081-01
SMILES	<chem>BrC1=CN=C(N2C(C3=CN=CC=C3)=NC3=CC=CC=C3C2=O)C=C1</chem>

Hit properties:



Viral Family	Coronavirus	Notes
Target	NSP10/14(Nuc)	
Site		
Exonuclease	0.2	μM (IC_{50})
Gel-based Assay (LASV RdRp)		Inhibition (100 μM)
In-vitro Potency (RdRp, CoV-2)		μM (IC_{50}) Gel-based assay
Gel-based Assay (h-mtRNAP)		Inhibition (100 μM)
In-vitro Potency (RdRp, CoV-2)		μM (IC_{50}) PicoGreen
Cellular Anti-viral activity		SARS2 positive (20 μM)
MW	379	
cLogP	3.9	
Ligand Efficiency		
PSA	61	Å^2
Permeability/ Efflux Ratio		$\text{Papp} \times 10^6$ (cm/sec)
Calcd. Log Solubility		