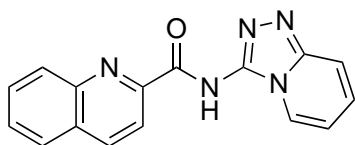


READDI-AC Compound CV

Compound IDs

Investigator or Origin	Jim Sacchettini
Investigator ID	
READDI-AC ID	RA-0010874-01
SMILES	<chem>O=C(NC1=NN=C2C=CC=CN12)C1=NC2=C(C=C1)C=CC=C2</chem>

Hit properties:



Viral Family	Coronavirus	Notes
Target	NSP15 (Nuclease)	
Site		
Gel-based Assay (CoV-2 RdRp)		Inhibition (100 μ M)
Gel-based Assay (LASV RdRp)		Inhibition (100 μ M)
In-vitro Potency (nsp15)	21	μ M (IC ₅₀) Endo-nuclease
Gel-based Assay (h-mtRNAP)		Inhibition (100 μ M)
In-vitro Potency (RdRp, CoV-2)		μ M (IC ₅₀) PicoGreen
Cellular Anti-viral activity		SARS2 positive (20 μ M)
MW	289	
cLogP	2.9	
Ligand Efficiency		
PSA	72	A ²
Permeability/ Efflux Ratio		Papp x 10 ⁶ (cm/sec)
Solubility	22	μ M