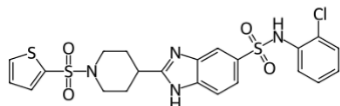


READDI-AC Compound CV

Compound IDs

Investigator or Origin	Jim Sacchettini
Investigator ID	SACC-0067621 (Z55693478)
READDI-AC ID	RA-0010460-01
SMILES	O=S(N(CC1)CCC1C(N2)=NC3=C2C=CC(S(=O)(NC4=CC=CC=C4Cl)=O)=C3)(C5=CC=CS5)=O

Hit properties:



Viral Family	Coronavirus	Notes
Target	NSP12 (RdRp)	
Site		
Gel-based Assay (CoV-2 RdRp)	84%	Inhibition (100 μM)
Gel-based Assay (LASV RdRp)	58%	Inhibition (100 μM)
In-vitro Potency (RdRp, CoV-2)	69	μM (IC ₅₀) Gel-based assay
Gel-based Assay (h-mtRNAP)	14%	Inhibition (100 μM)
In-vitro Potency (RdRp, CoV-2)	4.13	μM (IC ₅₀) PicoGreen
Cellular Anti-viral activity	12%	SARS2 positive (20 μM)
MW	537.1	
cLogP	4.6	
Ligand Efficiency	0.22	
PSA	112	A ²
Permeability/ Efflux Ratio		Papp x 10 ⁶ (cm/sec)
Solubility	16	μM