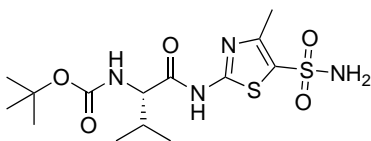


READDI-AC Compound CV

Compound IDs

Investigator or Origin	Anwar Hossain
Investigator ID	
READDI-AC ID	RA-0001250-01
SMILES	<chem>O=C(NC1=NC(C)=C(S(=O)(N)=O)S1)[C@@H](NC(OC(C)(C)C)=O)C(C)C</chem>

Hit properties:



Viral Family	Coronavirus	Notes
Target	NSP13	
Site		
Gel-based Assay (CoV-2 RdRp)		Inhibition (100 μ M)
Gel-based Assay (LASV RdRp)		Inhibition (100 μ M)
In-vitro Potency (nsp13)	8	μ M (IC ₅₀) ADP-Glo
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	392	
cLogP	2.3	
Ligand Efficiency		
PSA	140	A ²
Permeability/ Efflux Ratio		Papp x 10 ⁶ (cm/sec)
Solubility	160	μ M