

**Drugs bind and inhibit RNA
Modifying Enzymes**
Disrupt post-transcriptional
modifications on RNA

**Drugs bind to RNA-Binding
Proteins (RBPs)**
Disrupt RNA-protein interactions

**Drugs bind RNA secondary
structures**
Change structure/dynamics
of local secondary structures

Drug Target 1

#1



Drug Target 2

#2



5'-cap

m⁷G

5'-UTR

Post-transcriptional
modification

Drug Target 3



#3

ORF

Poly-A tail

AA...AAA



#4

Post-translational
modification



#5

RBP 2

CYTOPLASM

Drug Target 4

**Drugs bind and inhibit
Protein Modifying Enzymes**
Disrupt RNA-protein
interactions

Drug Target 5

**Drugs bind RNA
secondary structures**
Disrupt RNA-protein
interactions

NUCLEUS