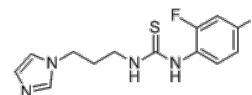


Product Name : IR415
Cat. No. : PC-63405
CAS No. : 452967-14-5
Molecular Formula : C₁₃H₁₄F₂N₄S
Molecular Weight : 296.34
Target : HBV
Solubility : 10 mM in DMSO



Biological Activity

IR415 is a novel small molecule inhibitor of HBV virus replication that blocks **hepatitis B virus X protein** (HBx, K_d=2 nM) mediated RNAi suppression, reverses the inhibitory effect of HBx protein on activity of the Dicer endoribonuclease. IR415 exhibits a marked depletion of HBV core protein synthesis and down-regulation of pre-genomic HBV RNA in HBV-infected HepG2 cells. IR415 selectively targets HBx in a concentration-dependent manner.

References

Ghosh S, et al. *J Biol Chem*. 2017 Jul 28;292(30):12577-12588.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com