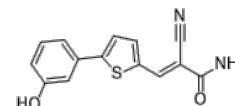


Product Name : DC-Y13-27
Cat. No. : PC-22471
CAS No. :
Molecular Formula : C₁₄H₁₀N₂O₂S
Molecular Weight : 270.31
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



Biological Activity

DC-Y13-27 is a specific inhibitor of N⁶-methyladenosine (m⁶A) reader YTHDF2, inhibits YTHDF2 binding to m⁶A-containing RNA with IC₅₀ of 21.8 μM, directly binds to YTHDF2 with a binding constant (K_D) of 37.9 μM in MST assay.

DC-Y13-27 display no activity against YTHDF1 (IC₅₀=165.2 μM).

DC-Y13-27 enhances responses to radiotherapy and immunotherapy in a manner similar to the deletion of YTHDF2.

References

Wang L, et al. Cancer Cell. 2023 Jul 10;41(7):1294-1308.e8.

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

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