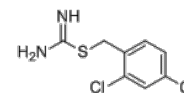


Product Name : RRD-251
Cat. No. : PC-35100
CAS No. : 131916-62-6
Molecular Formula : C₈H₈Cl₂N₂S
Molecular Weight : 235.126
Target : Raf
Solubility : 10 mM in DMSO



Biological Activity

RRD-251 is a small molecule disruptor of **Rb/Raf-1** interaction, potently and selectively disrupts the Rb/Raf-1 (IC₅₀=77 nM) but not Rb/E2F, Rb/prohibitin, Rb/cyclin E, and Rb/HDAC binding.

RRD-251 inhibits Rb to recruit Raf-1 to proliferative promoters and inhibited E2F1-dependent transcriptional activity.

RRD-251 inhibits anchorage-dependent and anchorage-independent growth of human cancer cells.

RRD-251 significantly inhibits tumor growth in tumors with functional Rb in vivo.

References

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Singh S, et al. *Mol Cancer Ther.* 2010 Dec;9(12):3330-41.

Treviño JG, et al. *Mol Cancer Ther.* 2013 Dec;12(12):2722-34.

Wallace AS, et al. *Oncotarget.* 2016 Jul 19;7(29):46401-46418.

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

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