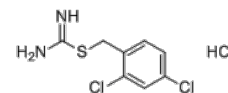


**Product Name** : RRD-251 hydrochloride  
**Cat. No.** : PC-35099  
**CAS No.** : 72214-67-6  
**Molecular Formula** : C<sub>8</sub>H<sub>9</sub>Cl<sub>3</sub>N<sub>2</sub>S  
**Molecular Weight** : 271.584  
**Target** : Raf  
**Solubility** : 10 mM in DMSO



## Biological Activity

RRD-251 hydrochloride is a small molecule disruptor of **Rb/Raf-1** interaction, potently and selectively disrupts the Rb/Raf-1 (IC<sub>50</sub>=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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