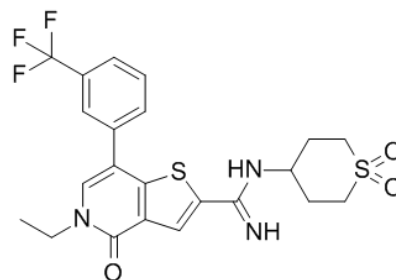


**Product Name** : I-BRD9  
**Cat. No.** : PC-45582  
**CAS No.** : 1714146-59-4  
**Molecular Formula** : C<sub>22</sub>H<sub>22</sub>F<sub>3</sub>N<sub>3</sub>O<sub>3</sub>S<sub>2</sub>  
**Molecular Weight** : 497.5536  
**Target** : Bromodomain  
**Solubility** : DMSO: 15.5 mg/mL



## Biological Activity

I-BRD9 is the first selective cellular chemical probe inhibitor for **BRD9** with pIC<sub>50</sub> of 7.3.

I-BRD9 displays 700-fold selectivity over the BET family and 200-fold over the highly homologous BRD7.

I-BRD9 decreases cell proliferation, G1-arrest and apoptosis in rhabdoid tumor cells.

I-BRD9 shows synergistic inhibitory effects on cell proliferation combined with doxorubicin or carboplatin.

## References

Theodoulou NH, et al. *J Med Chem.* 2016 Feb 25;59(4):1425-39.

Krämer KF, et al. *Int J Mol Sci.* 2017 Jul 16;18(7). pii: E1537.

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

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