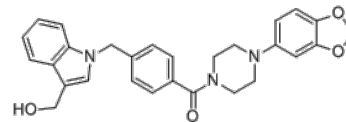


**Product Name** : AVJ16  
**Cat. No.** : PC-21375  
**CAS No.** : 2775241-92-2  
**Molecular Formula** : C<sub>28</sub>H<sub>27</sub>N<sub>3</sub>O<sub>4</sub>  
**Molecular Weight** : 469.54  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

AVJ16 is a specific and potent **IGF2BP1** inhibitor, inhibits H1299 wound healing with IC<sub>50</sub> of 0.7 uM, interacts with recombinant IGF2BP1 protein with KD of 1.4 uM in MST assays.

AVJ16 is 14 times more effective than 7773 (Cat#PC-20553).

AVJ16 interacts with IGF2BP1 KH34 di-domain.

AVJ16 (1.5 uM, 48 h) downregulates Kras and other IGF2BP1 target RNAs, Kras RNA and protein in H1299 cells.

AVJ16 inhibits tumorigenic properties of cancer cells in IGF2BP1-dependent manner, does not affect cell growth in LKR-M-GFP cells that do not express IGF2BP1.

### References

Singh A, et al. *Eur J Med Chem*. 2023 Nov 10;263:115940.

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

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