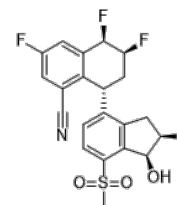


**Product Name** : Casdatifan  
**Cat. No.** : PC-24655  
**CAS No.** : 2709069-30-5  
**Molecular Formula** : C<sub>21</sub>H<sub>17</sub>F<sub>4</sub>NO<sub>3</sub>S  
**Molecular Weight** : 439.42  
**Target** : HIF/HIF Prolyl-hydroxylase  
**Solubility** : 10 mM in DMSO



CAS: 2709069-30-5

### Biological Activity

Casdatifan (AB521) is a potent, allosteric small molecule inhibitor of protumourigenic **HIF-2 $\alpha$** , potently and selectively inhibits HIF-2 $\alpha$ -mediated transcription with IC<sub>50</sub> of 28.9 nM in 786-O ccRCC cells (VEGF secretion inhibition).

AB521 binds the PAS-B domain of HIF-2 $\alpha$ , effectively inhibiting HIF-2 $\alpha$ -ARNT complex formation and HIF-2 $\alpha$ -mediated transcription.

AB521 selectively inhibits HIF-2 $\alpha$  and not HIF-1 $\alpha$ .

AB521 inhibits HIF-2 $\alpha$ -dependent gene expression in primary human macrophages and endothelial cells.

AB521 blocks HIF-2 $\alpha$ -mediated gene transcription in vivo and inhibits tumour growth.

### References

Schweickert PG, et al. *Br J Pharmacol*. 2025 May 21. doi: 10.1111/bph.70075.

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

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