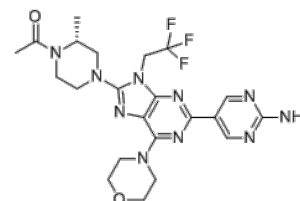


**Product Name** : DS-7423  
**Cat. No.** : PC-61959  
**CAS No.** : 1222104-37-1  
**Molecular Formula** : C<sub>22</sub>H<sub>27</sub>F<sub>3</sub>N<sub>10</sub>O<sub>2</sub>  
**Molecular Weight** : 520.52  
**Target** : PI3K  
**Solubility** : 10 mM in DMSO



### Biological Activity

DS-7423 is a novel potent, small-molecule dual inhibitor of **PI3K/mTOR** with IC<sub>50</sub> of 15.6, 1143, 249, 262 and 34.9 nM for PI3K $\alpha$ , PI3K $\beta$ , PI3K $\gamma$ , PI3K $\delta$ , and mTOR respectively.

DS-7423 exerts anti-tumor effect against a panel of nine OCCA cell lines with IC<sub>50</sub> of <75 nM, regardless of the mutational status of PIK3CA.

DS-7423 suppresses the tumor growth of OCCA in a dose-dependent manner in mouse xenograft models.

### References

Koul D, et al. *Oncotarget*. 2017 Mar 28;8(13):21741-21753.

Kashiyama T, et al. *PLoS One*. 2014 Feb 4;9(2):e87220.

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

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