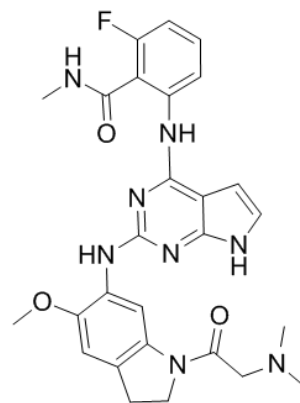


**Product Name** : GSK1838705A  
**Cat. No.** : PC-43330  
**CAS No.** : 1116235-97-2  
**Molecular Formula** : C<sub>27</sub>H<sub>29</sub>FN<sub>8</sub>O<sub>3</sub>  
**Molecular Weight** : 532.5693  
**Target** : IGF-1R  
**Solubility** : 10 mM in DMSO



## Biological Activity

GSK1838705A is a potent, specific inhibitor of **IGF-1R** and insulin receptor (**IR**) with IC<sub>50</sub> of 2.0 and 1.6 nM, also is a potent inhibitor of **ALK** with IC<sub>50</sub> of 0.5 nM.

GSK1838705A display excellent kinase selectivity on a panel of 224 unique protein kinases with only 7 additional kinases to be inhibited by >50% at 0.3 uM.

GSK1838705A inhibits a panel of cell lines derived from solid and hematologic tumors with IC<sub>50</sub> of 20 nM-8 uM (NCI-H929 IC<sub>50</sub>=197 nM).

GSK1838705A causes complete regression of ALK-dependent tumors, retards the growth of human tumor xenografts in vivo with minimal effects on glucose homeostasis.

## References

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Zhou F, et al. *Onco Targets Ther.* 2015 Apr 10;8:753-60.

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Kelleher FC, et al. *Eur J Cancer.* 2010 Sep;46(13):2357-68.

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

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