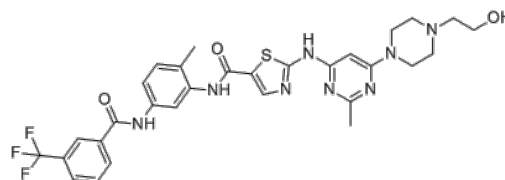


**Product Name** : UM-164  
**Cat. No.** : PC-63476  
**CAS No.** : 903564-48-7  
**Molecular Formula** : C<sub>30</sub>H<sub>31</sub>F<sub>3</sub>N<sub>8</sub>O<sub>3</sub>S  
**Molecular Weight** : 640.686  
**Target** : Src  
**Solubility** : 10 mM in DMSO



## Biological Activity

UM-164 is a novel potent, dual **c-Src/p38** with K<sub>d</sub> of 2.7 nM (c-Src), potently inhibits both p38 $\alpha$  and p38 $\beta$ . UM-164 inhibits c-Src autophosphorylation in TNBC cell lines, and shows potent antiproliferative activity with mean GI<sub>50</sub> of 160 nM, alters the cell localization of c-Src in TNBC cells. UM-164 completely inhibits p38 MAPK phosphorylation in SUM 149 cells at 50 nM. UM-164 demonstrates potent anti-TNBC activity in xenograft models with limited in vivo toxicity.

## References

Gilani RA, et al. *Clin Cancer Res.* 2016 Oct 15;22(20):5087-5096.

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

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