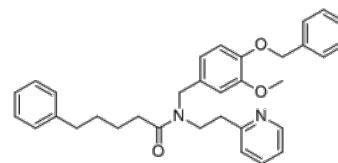


**Product Name** : MCP110  
**Cat. No.** : PC-62206  
**CAS No.** : 521310-51-0  
**Molecular Formula** : C<sub>33</sub>H<sub>36</sub>N<sub>2</sub>O<sub>3</sub>  
**Molecular Weight** : 508.662  
**Target** : Raf  
**Solubility** : 10 mM in DMSO



### Biological Activity

MCP110 is a potent **Ras/Raf-1** interaction inhibitor.

MCP110 inhibits Ras-induced Raf-1 activation in human embryonic kidney 293 cells, Raf-1 and MAPK1 activities in HT1080 fibrosarcoma cells, and EGF-induced Raf-1 activation in A549 lung carcinoma cells.

MCP110 inhibits anchorage-independent growth of A549 and PANC-1 cells harboring K-ras mutation.

MCP110 causes G1 enrichment of A549 cells with the decrease of cyclin D level.

MCP110 inhibits the growth of LXFA 629 lung and SW620 colon carcinoma cells in xenograft models.

### References

Kato-Stankiewicz J, et al. *Proc Natl Acad Sci U S A*. 2002 Oct 29;99(22):14398-403.

Skobeleva N, et al. *Mol Cancer Ther*. 2007 Mar;6(3):898-906.

González-Pérez V, et al. *J Mol Signal*. 2010 Feb 23;5:2.

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

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