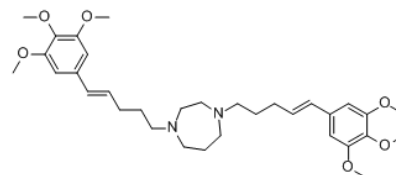


**Product Name** : K-7174  
**Cat. No.** : PC-43168  
**CAS No.** : 191089-59-5  
**Molecular Formula** : C<sub>33</sub>H<sub>48</sub>N<sub>2</sub>O<sub>6</sub>  
**Molecular Weight** : 568.744  
**Target** : GATA Binding Protein  
**Solubility** : 10 mM in DMSO



### Biological Activity

K-7174 is a selective small molecule inhibitor of the transcription factor GATA-binding protein 2 (**GATA2**). K-7174 suppresses the expression of AR, including ARVs, in 22Rv1 cells, exerts potent anticancer activity against GATA2+/AR+ PC cell lines in vitro/ K-7174 induces transcriptional repression of class I histone deacetylases (HDAC1, -2, and -3) via caspase-8-dependent degradation of Sp1. K-7174 significantly decreases HAMP expression, also upregulates CEBPB.

### References

- He B, et al. *Proc Natl Acad Sci U S A*. 2014 Dec 23;111(51):18261-6.  
Kikuchi J, et al. *J Biol Chem*. 2013 Aug 30;288(35):25593-602.  
Fujiwara T, et al. *PLoS One*. 2013 Sep 27;8(9):e75568.

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

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