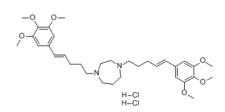


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## **Data Sheet**

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name :	:	K-7174 dihydrochloride
Cat. No. :	:	PC-43169
CAS No. :	:	191089-60-8
Molecular Formula :	:	C <sub>33</sub> H <sub>50</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight :	:	641.6659
Target :	:	GATA Binding Protein
Solubility :	:	H2O: 15 mg/mL



## **Biological Activity**

K-7174 dihydrochloride is a selctive small molecule inhibitor of the transcription factor GATA-binding protein 2 (**GATA2**). K-7174 dihydrochloride suppresses the expression of AR, including ARVs, in 22Rv1 cells, exertes potent anticancer activity against GATA2+/AR+ PC cell lines in vitro.

K-7174 dihydrochloride induces transcriptional repression of class I histone deacetylases (HDAC1, -2, and -3) via caspase-8-dependent degradation of Sp1.

K-7174 dihydrochloride 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! E-mail: tech@probechem.com