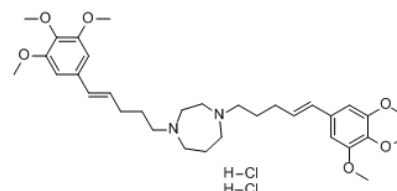


Product Name : K-7174 dihydrochloride
Cat. No. : PC-43169
CAS No. : 191089-60-8
Molecular Formula : C₃₃H₅₀Cl₂N₂O₆
Molecular Weight : 641.6659
Target : GATA Binding Protein
Solubility : H₂O: 15 mg/mL



Biological Activity

K-7174 dihydrochloride is a selective 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, exerts 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

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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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