

Product Name : K-7174 dihydrochloride

Synonyms : —

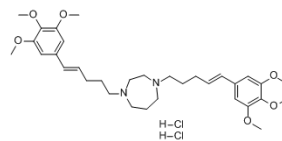
Cat No. : M12994

CAS Number : 191089-60-8

Molecular Formula : C₃₃H₅₀Cl₂N₂O₆

Formula Weight : 641.67

Chemical Name : 1H-1,4-Diazepine, hexahydro-1,4-bis[(4E)-5-(3,4,5-trimethoxyphenyl)-4-penten-1-yl]-, hydrochloride (1:2)



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

Pathway : Nuclear Receptor/Transcription Factor

Target : GATA Binding Protein

Receptor : GATA Binding Protein

Solubility : H₂O: 15 mg/mL

SMILES : COC1=CC(=CC(=C1OC)OC)C=CCCCN2CCCN(CC2)CCCC=CC3=CC(=C(C(=C3)OC)OC)OC.Cl.Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. He B, et al. Proc Natl Acad Sci U S A. 2014 Dec 23;111(51):18261-6. | 2. Kikuchi J, et al. J Biol Chem. 2013 Aug 30;288(35):25593-602. | 3. Fujiwara T, et al. PLoS One. 2013 Sep 27;8(9):e75568.