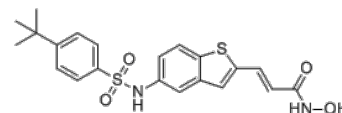


Product Name : HuR inhibitor KH-3
Cat. No. : PC-72480
CAS No. : 1215115-03-9
Molecular Formula : C₂₁H₂₂N₂O₄S₂
Molecular Weight : 430.537
Target : Human Antigen R (HuR)
Solubility : 10 mM in DMSO



Biological Activity

HuR inhibitor KH-3 is a small molecule, selective inhibitor of **HuR** function with K_i of 0.83 and 0.72 μ M in FP and AlphaLISA assays, respectively.

KH-3 potently inhibits breast cancer cell growth in vitro and in vivo.

KH-3 inhibits breast cancer cell invasion in vitro as well as delays initiation of lung colonies and improves mouse survival in an experimental metastasis model in vivo.

KH-3 suppresses breast cancer cell invasion by disrupting HuR-FOXQ1 mRNA interaction.

Inhibition of HuR with KH-3 yielded a significant reduced in the progression of pathological cardiac hypertrophy in a transverse aortic constriction model.

References

Xiaoqing Wu, et al. *Commun Biol*. 2020 Apr 24;3(1):193.

Simeng Liu, et al. *Clin Sci (Lond)*. 2020 Jun 26;134(12):1433-1448.

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

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