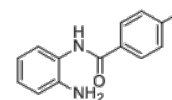


Product Name : DSK638
Cat. No. : PC-38242
CAS No. :
Molecular Formula : C₁₄H₁₄N₂O
Molecular Weight : 226.279
Target : Other Targets
Solubility :



Biological Activity

DSK638 (DSK-638) is a potent small molecule RECK-inducer, binds histone deacetylases (HDACs) with IC₅₀ of 5-10 μM for HDAC1/3; DSK638 exhibits bioactivities similar to RECK, such as induction of flat reversion in v-K-RAS-transformed cell, suppression of Matrigel-invasion by HT1080 cells and inhibition of pro-MMP2 activation. DSK638 inhibits spontaneous lung metastasis in our mouse xenograft model. Induction of RECK expression involves SP1 sites in its promoter and may be mediated by KLF2. DSK638 also upregulates MXI1, an endogenous MYC-antagonist, and inhibition of metastasis by DSK638 is dependent on both RECK and MXI1.

References

Yoko Yoshida, et al. Sci Rep. 2022 Feb 11;12(1):2319.

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

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