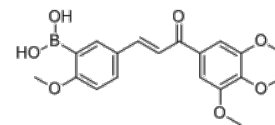


Product Name : YK-3-237
Cat. No. : PC-60825
CAS No. : 1215281-19-8
Molecular Formula : C₁₉H₂₁BO₇
Molecular Weight : 372.18
Target : Sirtuin
Solubility : 10 mM in DMSO



Biological Activity

YK-3-237 is a small molecule sirtuin-1 (**SIRT1**) activator that reduces acetylation of mutant p53 and exhibits anti-proliferative effects against TNBC cells carrying mutant p53.

YK-3-237 demonstrates proliferation inhibition in breast cancer cell panel with EC₅₀ of 0.1-5 uM, also induces PARP-dependent apoptotic cell death and arrests the cell cycle at G₂/M phase.

YK-3-237 enhances expression of α-SMA and fibronectin in cultured rat renal interstitial fibroblasts (NRK-49F).

References

Yi YW, et al. *Oncotarget*. 2013 Jul;4(7):984-94.

Ponnusamy M, et al. *J Pharmacol Exp Ther*. 2015 Aug;354(2):142-51.

Kong Y, et al. *Bioorg Med Chem*. 2010 Jan 15;18(2):971-7.

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

E-mail: tech@probechem.com