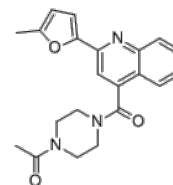


Product Name : E1231
Cat. No. : PC-35584
CAS No. : 1031195-19-3
Molecular Formula : C₂₁H₂₁N₃O₃
Molecular Weight : 363.417
Target : Sirtuin
Solubility : 10 mM in DMSO



Biological Activity

E1231 (E-1231) is a small molecule **SIRT1** activator with EC₅₀ of 0.83 μM, interacts with recombinant human SIRT1 protein and deacetylated liver X receptor-alpha (**LXRα**).

E1231 increases ATP-binding cassette transporter A1 (ABCA1) expression in RAW 264.7 cells dependent on SIRT1 and LXRα.

E1231 promotes cholesterol efflux and inhibited lipid accumulation in RAW 264.7 cells via SIRT1 and ABCA1.

E1231 decreases total cholesterol and triglyceride levels in both serum and the liver in golden hamster hyperlipidemia models.

References

Feng T, et al. *Atherosclerosis*. 2018 Jul;274:172-181.

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

E-mail: tech@probechem.com