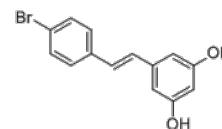


Product Name : 4-bromo-Resveratrol
Cat. No. : PC-38474
CAS No. : 1224713-90-9
Molecular Formula : C₁₄H₁₁BrO₂
Molecular Weight : 291.1
Target : Sirtuin
Solubility : 10 mM in DMSO



Biological Activity

4'-bromo-resveratrol (4'-BR) is a dual small molecule inhibitor of SIRT1 and SIRT3, inhibits melanoma cell growth through mitochondrial metabolic reprogramming.

4'-BR completely inhibited both SIRT1 and SIRT3 at 0.2 mM.

4'-BR induces apoptosis via inhibiting extrinsic and intrinsic pathways in human melanoma cells.

4'-BR inhibits migration and causes a G1 phase arrest, inhibits aerobic glycolysis in human melanoma cells.

References

Nguyen GT, et al. Chem Biol. 2013 Nov 21;20(11):1375-85.

George J, et al. Mol Carcinog. 2019 Oct;58(10):1876-1885.

Chhabra G, et al. J Invest Dermatol. 2022 Apr;142(4):1145-1157.e7.

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

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