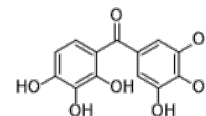


Product Name : Exifone
Cat. No. : PC-25163
CAS No. : 52479-85-3
Molecular Formula : C₁₃H₁₀O₇
Molecular Weight : 278.22
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

Exifone is a potent activator of the deacetylase activity of HDAC1, increases the rate of deacetylation by the enzyme with EC₅₀ of 0.241 μM and EC_{1.5} value of 0.031 μM.

Exifone treatment of human induced pluripotent stem cell (iPSC)-derived neuronal cells leads to a measurable decrease in histone acetylation.

Exifone treatment can provide neuroprotection in the context of human neurons derived from patient with tauopathy.

Exifone is able to reduce DNA damage in vivo in an AD mouse model.

References

Patnaik D, et al. ACS Chem Neurosci. 2021 Jan 20;12(2):271-284.

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

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