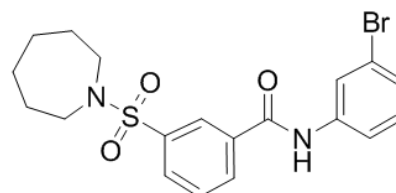


Product Name : AK-7
Cat. No. : PC-45037
CAS No. : 420831-40-9
Molecular Formula : C₁₉H₂₁BrN₂O₃S
Molecular Weight : 437.3506
Target : Sirtuin
Solubility : 10 mM in DMSO



Biological Activity

AK-7 is a potent, selective and brain-permeable **SIRT2** inhibitor with IC₅₀ of 15.5 μM.

AK-7 reduces cholesterol in cultured naïve neuronal cells and brain slices from wild-type mice.

AK-7 shows neuroprotective activity in Huntington's disease mouse models, and reduces cholesterol in neuronal models.

References

Taylor DM, et al. *ACS Chem Biol.* 2011 Jun 17;6(6):540-6.

Chopra V, et al. *Cell Rep.* 2012 Dec 27;2(6):1492-7.

Biella G, et al. *J Alzheimers Dis.* 2016 Jun 30;53(3):1193-207.

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

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