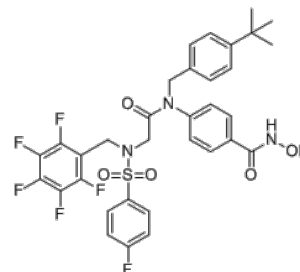


Product Name : AES-135
Cat. No. : PC-72098
CAS No. : 2361659-61-0
Molecular Formula : C₃₃H₂₉F₆N₃O₅S
Molecular Weight : 693.661
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

AES-135 (AES135) is a novel small molecule HDAC inhibitor, inhibits **HDAC3**, **HDAC6**, **HDAC11** with IC₅₀ of 654, 190, 636 nM, with low-uM activity against HDAC8 (IC₅₀=1.2 uM).

AES-135 exhibits selective in vitro cytotoxicity (IC₅₀=1-4 uM) in low-passage patient-derived pancreatic cancer cells even in the presence of cancer-associated fibroblast (CAF) cells.

AES-135 has favorable in vivo properties such as metabolic stability in mouse hepatocytes and bioavailability in micromolar (μM) concentrations in NSG mice for >10 h (IP injection).

AES-135 increased survival of C57Bl/6 mice implanted with KPC tumor cells in vivo.

References

Shouksmith AE, et al. *J Med Chem*. 2019 Mar 14;62(5):2651-2665.

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

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