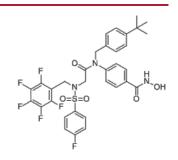


WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	AES-135
Cat. No.	:	PC-72098
CAS No.	:	2361659-61-0
Molecular Formula	:	C ₃₃ H ₂₉ F ₆ N ₃ O ₅ S
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 (μ M) concentrations in NSG mice for >10 h (IP injection).

AES-135 increased survival of C57BI/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! E-mail: tech@probechem.com