



Product Information

HDAC inhibitor AES-135, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ254

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

CAS Number: 2361659-61-0

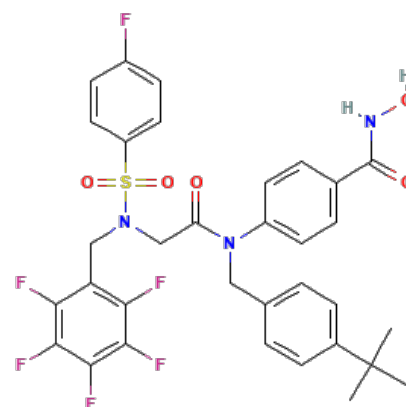
Compound CID: 137628685

Synonym: 2361659-61-0; AES-135; EX-A5097; BDBM50519452; MS-31144;

4-[(4-*tert*

-Butylphenyl)methyl-[2-[(4-fluorophenyl)sulfonyl-[(2,3,4,5,6-pentafluorophenyl)methyl]amino]acetyl]amino]-*N*-hydroxybenzamide; HDAC inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	AES-135 induces DNA damage and the inhibition of DNA repair processes. It targets HDAC11, HDAC3, HDAC6, and HDAC8.
Molecular Weight	693.66
Molecular Formula	C ₃₃ H ₂₉ F ₆ N ₃ O ₅ S
Targets	HDAC11: 636 nM; HDAC3: 654 nM; HDAC6: 190 nM; HDAC8: 1100 nM
IUPAC Name	4-[(4- <i>tert</i> -Butylphenyl)methyl-[2-[(4-fluorophenyl)sulfonyl-[(2,3,4,5,6-pentafluorophenyl)methyl]amino]acetyl]amino]- <i>N</i> -hydroxybenzamide
InChI	InChI=1S/C33H29F6N3O5S/c1-33(2,3)21-8-4-19(5-9-21)16-42(23-12-6-20(7-13-23)32(44)40-45)26(43)18-41(48(46,47)24-14-10-22(34)11-15-24)17-25-27(35)29(37)31(39)30(38)28(25)36/h4-15,45H,16-18H2,1-3H3,(H,40,44)
InChI Key	LTRKEOBRDKIHB-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)C1=CC=C(C=C1)CN(C2=CC=C(C=C2)C(=O)NO)C(=O)CN(CC3=C(C(=C(C(=C3F)F)F)F)F)S(=O)(=O)C4=CC=C(C=C4)F
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	AES-135 can be used to investigate its inhibitory effects on HDAC1.



Storage

Store at -20°C.
