

Product Information

Stat inhibitor SH-4-54, Purity ≥98%

Cat. No.: X23-10-ZQ1009

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

MDL: MFCD28143917

CAS Number: 1456632-40-8

Compound CID: 72188643

Synonym: SH-4-54; 1456632-40-8;

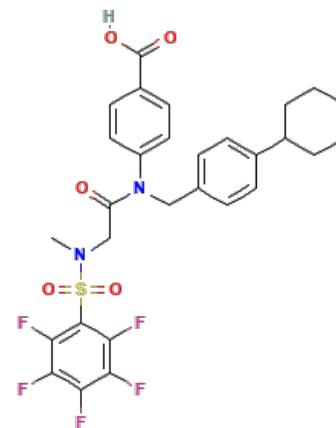
4-(N

-[4-Cyclohexylbenzyl)-2-((2,3,4,5,6-pe

ntafluoro-N-methylphenyl)sulfonamido)acetamido)benzoic acid; 4-[(4-Cyclohexylphen

yl)methyl-[2-[methyl-(2,3,4,5,6-pentafluorophenyl)sulfonylamino]acetyl]amino]benzoic

acid; Stat inhibitor



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

Product Information

Description	SH-4-54, soluble in DMSO and warmed ethanol and insoluble in water, is an inhibitor of STAT activation and signaling activity. It targets STAT3 and STAT5.
Molecular Weight	610.59
Molecular Formula	C ₂₉ H ₂₇ F ₅ N ₂ O ₅ S
Targets	STAT3: 300 nM (Kd); STAT5: 464 nM (Kd)
IUPAC Name	4-[(4-Cyclohexylphenyl)methyl]-N-methyl-2-[[2-[(2,3,4,5,6-pentafluorophenyl)sulfonylamino]acetyl]amino]benzoic acid
InChI	InChI=1S/C29H27F5N2O5S/c1-35(42(40,41)28-26(33)24(31)23(30)25(32)27(28)34)16-22(37)36(21-13-11-20(12-14-21)29(38)39)15-17-7-9-19(10-8-17)18-5-3-2-4-6-18/h7-14,18H,2-6,15-16H2,1H3,(H,38,39)
InChI Key	VFPYGNOSJWBHF-UHFFFAOYSA-N
Canonical SMILES	CN(CC(=O)N(CC1=CC=C(C=C1)C2CCCCC2)C3=CC=C(C=C3)C(=O)O)S(=O)(=O)C4=C(C(=C(C=C4)F)F)F)F
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 94 mg/mL (153.94 mM); Water: Insoluble; Warmed ethanol: 47 mg/mL (76.97 mM)



Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	SH-4-54 is used for targeting STAT3 and STAT5 dimerization, relevant in cancer research.
Storage	Store at -20°C.