



Product Information

Stat inhibitor SH5-07, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ1022

Size: 1 mg; 5 mg; 10 mg; 50 mg

CAS Number: 1456632-41-9

Compound CID: 72550504

Synonym: SH5-07; 1456632-41-9; ChEMBL3108910;

4-(*N*

-(4-Cyclohexylbenzyl)-2-(2,3,4,5,6-pent

afluoro-*N*-methylphenylsulfonamido)acetamido)-*N*-hydroxybenzamide; 4-[[[4-Cyclohex

y

lp

hen

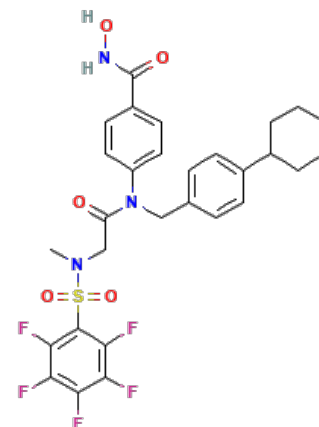
yl)meth

yl][2-[methyl[(2

,3,4,5,6-pentafluorophenyl)sulfonyl]amino]acetyl]amino]-*N*-hydroxy-benzamide; Stat

inhibitor

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



Product Information

Description	SH5-07, soluble in DMSO and ethanol and insoluble in water, is an inhibitor of STAT activation and signaling activity. It targets STAT3.
Molecular Weight	625.61
Molecular Formula	C ₂₉ H ₂₈ F ₅ N ₃ O ₅ S
Targets	STAT3: 3.9 μ M
IUPAC Name	<i>N</i> -hydroxybenzamide
InChI	InChI=1S/C29H28F5N3O5S/c1-36(43(41,42)28-26(33)24(31)23(30)25(32)27(28)34)16-22(38)37(21-13-11-20(12-14-21)29(39)35-40)15-17-7-9-19(10-8-17)18-5-3-2-4-6-18/h7-14,18,40H,2-6,15-16H2,1H3,(H,35,39)
InChI Key	QPSUYVALAOXFGL-UHFFFAOYSA-N



Canonical SMILES	<chem>CN(CC(=O)N(CC1=CC=C(C=C1)C2CCCCC2)C3=CC=C(C=C3)C(=O)NO)S(=O)(=O)C4=C(C(=C(C(=C4F)F)F)F)F</chem>
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 88 mg/mL (140.66 mM); Water: Insoluble; Ethanol: 88 mg/mL (140.66 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	SH5-07 is utilized to inhibit STAT3, aiding in studies related to cancer and inflammatory diseases.
Storage	Store at -20°C.