

Product Information

Stat inhibitor BP-1-102, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ1023

Size: 2 mg; 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 1334493-07-0

Compound CID: 53388144

Synonym: BP-1-102; 1334493-07-0;

4-(*N*

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

afluoro-*N*-methylphenylsulfonamido)acetamido)-2-hydroxybenzoic acid;

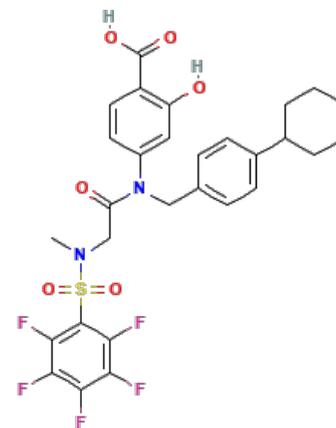
CHEMBL1829876;

4-(*N*

-(4-cyclohexylbenzyl)-2-((2,3,4,5,6-pen

tafluoro-*N*-methylphenyl)sulfonamido)acetamido)-2-hydroxybenzoic acid; Stat inhibitor

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



Product Information

Description	BP-1-102, soluble in DMSO and insoluble in ethanol and water, is an inhibitor of STAT activation and signaling activity. It targets STAT3.
Molecular Weight	626.59
Molecular Formula	C ₂₉ H ₂₇ F ₅ N ₂ O ₆ S
Targets	STAT3: 6.8 μ M
IUPAC Name	4-[(4-Cyclohexylphenyl)methyl-[2-[methyl-(2,3,4,5,6-pentafluorophenyl)sulfonylamino]acetyl]amino]-2-hydroxybenzoic acid
InChI	InChI=1S/C29H27F5N2O6S/c1-35(43(41,42)28-26(33)24(31)23(30)25(32)27(28)34)15-22(38)36(19-11-12-20(29(39)40)21(37)13-19)14-16-7-9-18(10-8-16)17-5-3-2-4-6-17/h7-13,17,37H,2-6,14-15H2,1H3,(H,39,40)
InChI Key	WNVSFFVDMUSXSX-UHFFFAOYSA-N
Canonical SMILES	CN(CC(=O)N(CC1=CC=C(C=C1)C2CCCC2)C3=CC(=C(C=C3)C(=O)O)O)S(=O)(=O)C4=C(C(=C(C=C4F)F)F)F
Form	Lyophilized powder
Purity	$\geq 98\%$



Solubility	DMSO: 87 mg/mL (138.84 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	BP-1-102 can be used in research to inhibit STAT3/5 dimerization and subsequent transcriptional activity.
Storage	Store at -20°C.
