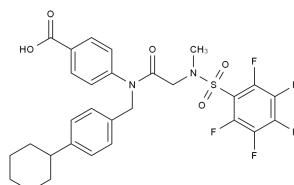


Product Name	: SH4-54
Synonyms	: SH4-54; SH 4-54; SH4-54; SH-454; SH 454; SH454.
Cat No.	: M11971
CAS Number	: 1456632-40-8
Molecular Formula	: C ₂₉ H ₂₇ F ₅ N ₂ O ₅ S
Formula Weight	: 610.59
Chemical Name	: Benzoic acid, 4-[[[(4-cyclohexylphenyl)methyl][2-[methyl[(2,3,4,5,6-pentafluorophenyl)sulfonyl]amino]acetyl]amino]-
Description	: A potent, BBB permeable, nonphosphorylated STAT3 inhibitor that strongly binds to STAT3 protein with K _d of 300 nM; potently kills glioblastoma brain cancer stem cells (BTSCs) and effectively suppresses STAT3 phosphorylation and its downstream transcriptional targets at low nM concentrations; potently suppresses glioma tumor growth, and inhibits pSTAT3 in vivo.
Pathway	: JAK/STAT Signaling
Target	: STAT
Receptor	: STAT3;STAT5
Solubility	: 10 mM in DMSO
SMILES	: <chem>O=C(O)C1=CC=C(N(CC2=CC=C(C3CCCCC3)C=C2)C(N(C)S(=O)(=O)C4=C(F)C(F)=C(F)C(F)=C4F)=O)=O)C=C1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Haftchenary S, et al. ACS Med Chem Lett. 2013 Sep 8;4(11):1102-7.| 2. Arpin CC, et al. Mol Cancer Ther. 2016 May;15(5):794-805.| 3. Linher-Melville K, et al. PLoS One. 2016 Aug 11;11(8):e0161202.