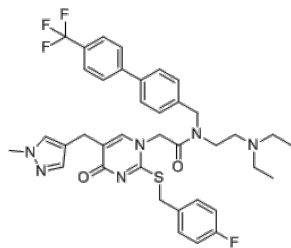


Product Name	: SB-435495	
Synonyms	: SB435495	
Cat No.	: M13964	
CAS Number	: 304694-39-1	
Molecular Formula	: C38H40F4N6O2S	
Formula Weight	: 720.83	
Chemical Name	1(4H)-Pyrimidineacetamide, N-[2-(diethylamino)ethyl]-2-[[[(4-fluorophenyl)methyl]thio]-5-[(1-methyl-1H-pyrazol-4-yl)methyl]-4-oxo-N-[[4'-(trifluoromethyl)[1,1'-biphenyl]-4-yl]methyl]-	
Description	SB-435495 is a potent, orally active inhibitor of Lp-PLA2 with IC50 of 0.06 nM; inhibits the enzyme in whole human plasma with IC50 of 3 nM; shows little interaction with other CYP450 enzymes (CYP450 IC50: 1A2>100 nM, 2C9>100 uM, 2C19>40 uM, 2D6=37 uM); effectively suppresses BRB breakdown in streptozotocin-diabetic Brown Norway rats,.Atherosclerosis Phase 2 Discontinued	
Pathway	: Metabolic Enzyme/Protease	
Target	: Phospholipase	
Receptor	: Phospholipase	
Solubility	: —	
SMILES	<chem>CCN(CC)CCN(CC1=CC=C(C=C1)C2=CC=C(C=C2)C(F)(F)C(=O)CN3C=C(C(=O)N=C3SCC4=CC=C(C=C4)F)CC5=CN(N=C5)C</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Blackie JA, et al. Bioorg Med Chem Lett. 2002 Sep 16;12(18):2603-6. 2. Canning P, et al. Proc Natl Acad Sci U S A. 2016 Jun 28;113(26):7213-8. 3. Tyurin VA, et al. Cell Death Differ. 2014 May;21(5):825-35. 4. Jiang Z, et al. Respir Res. 2012 Nov 12;13:100.