

Product Name	: Darapladib
Synonyms	: SB-480848;SB480848;SB 480848
Cat No.	: M14219
CAS Number	: 356057-34-6
Molecular Formula	: C ₃₆ H ₃₈ F ₄ N ₄ O ₂ S
Formula Weight	: 666.77
Chemical Name	: 1H-Cyclopentapyrimidine-1-acetamide, N-[2-(diethylamino)ethyl]-2-[[[(4-fluorophenyl)methyl]thio]-4,5,6,7-tetrahydro-4-oxo-N-[[4'-(trifluoromethyl)[1,1'-biphenyl]-4-yl]methyl]-
Description	: A potent Lp-PLA2 inhibitor with IC50 of 0.25 nM; shows an enhanced in vitro and in vivo profile versus SB-435495. Atherosclerosis Phase 3 Discontinued
Pathway	: Metabolic Enzyme/Protease
Target	: Phospholipase
Receptor	: Lp-PLA2
Solubility	: 10 mM in DMSO
SMILES	: <chem>O=C(N(CCN(CC)CC)CC1=CC=C(C2=CC=C(C(F)(F)F)C=C2)C=C1)CN(C3=C4CCC3)C(SCC5=CC=C(F)C=C5)=NC4=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Blackie JA, et al. Bioorg Med Chem Lett. 2003 Mar 24;13(6):1067-70. 2. Wilensky RL, et al. Nat Med. 2008 Oct;14(10):1059-66. 3. Serruys PW, et al. Circulation. 2008 Sep 9;118(11):1172-82.