

Product Name : STAT5b inhibitor 7

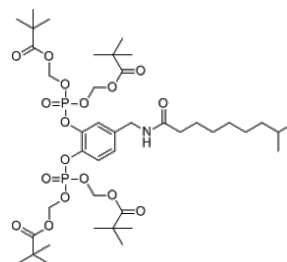
Synonyms : Capstafin prodrug

Cat No. : M12797

CAS Number : 1818390-58-7

Molecular Formula : C₄₁H₆₉NO₁₇P₂

Formula Weight : 909.94



Chemical Name : (((4-((8-methylnonanamido)methyl)-1,2-phenylene)bis(oxy))bis(oxo-15-phosphanetriyl))tetrakis(oxy))tetrakis(methylene) tetrakis(2,2-dimethylpropanoate)

Description : STAT5b inhibitor 7 (Capstafin prodrug) is the pivaloyloxymethyl ester prodrug of Capstafin, which is a potent, selective STAT5b inhibitor with K_i of 0.34 uM; inhibits STAT5b with selectivity over STAT5a in human tumor cells, inhibits cell viability and induces apoptosis in human tumor cells in a STAT5-dependent manner.

Pathway : JAK/STAT Signaling

Target : STAT

Receptor : STAT

Solubility : —

SMILES : CC(C)CCCCCCC(NCC1=CC=C(OP(OCOC(C(C)C)C)=O)(OCOC(C(C)C)C)=O)=O)C(OP(OCOC(C(C)C)C)=O)(OCOC(C(C)C)C)=O)=O)=O=C1=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Elumalai N, et al. ACS Chem Biol. 2015 Dec 18;10(12):2884-90.