

Product Name : ST-168

Synonyms : ST168

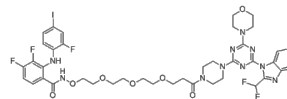
Cat No. : M13380

CAS Number : 2126038-25-1

Molecular Formula : C₄₁H₄₄F₅N₁₀O₇

Formula Weight : 1010.76

Chemical Name : N-(2-(2-(2-(3-(4-(2-(difluoromethyl)-1H-benzod[*h*]imidazol-1-yl)-6-morpholino-1,3,5-triazin-2-yl)piperazin-1-yl)-3-oxopropoxy)ethoxy)ethoxy)ethoxy)-3,4-difluoro-2-((2-fluoro-4-iodophenyl)amino)benzamide



Description : ST-168 is a novel potent, orally available MEK/PI3K bifunctional inhibitor with IC₅₀ of 182, 69.2, 1482, 2293, and 41.7 nM for MEK1, PI3K α , PI3K β , PI3K γ , and PI3K δ , respectively; exhibits improved inhibition toward PI3K isoforms compared to ST-162; demonstrates superior tumoricidal efficacy over ST-162 in an A375 melanoma spheroid tumor model.

Pathway : PI3K/Akt/mTOR signaling

Target : PI3K

Receptor : PI3K

Solubility : —

SMILES : —

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Van Dort ME, et al. ACS Med Chem Lett. 2017 Jul 24;8(8):808-813.