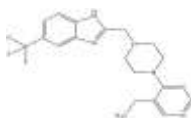


PRODUCT: PF-4708671**ALTERNATE NAME:** 2-[[4-(5-Ethylpyrimidin-4-yl)piperazin-1-yl]methyl]-5-(trifluoromethyl)-1*H*-benzo[*d*]imidazole**CATALOG #:** 9460-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₉H₂₁F₃N₆**MOLECULAR WEIGHT:** 390.41**CAS NUMBER:** 1255517-76-0**APPEARANCE:** White solid**SOLUBILITY:** DMSO (>15 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** PF-4708671 is a cell-permeable inhibitor of p70 ribosomal S6 kinase (S6K1 isoform) with a K_i of 20 nM and IC₅₀ of 160 nM. PF-4708671 prevents the S6K1-mediated phosphorylation of S6 protein in response to IGF-1 (insulin-like growth factor 1), while having no effect upon the PMA-induced phosphorylation of substrates of the highly related RSK (p90 ribosomal S6 kinase) and MSK (mitogen- and stress-activated kinase) kinases.**REFERENCES:** Pearce, L.R., *et al.* (2010). *Biochem. J.* **431**, 245-255.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**LY-2584702 (**Cat. No. 9445-5, 25**)p70SR kinase Antibody (**Cat. No. 3485-100**)phosphor p70 SR Kinase Antibody (**Cat. No. 3505-100**)Active p70 SRK (**Cat. No. 7725-5, 100**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**