

PF-4708671

Cat. No. CEI-0865

Lot. No. (See product label)

Introduction

Description

PF-4708671 is a cell-permeable inhibitor of p70 ribosomal S6 kinase (S6K1 isoform) with K_i/IC_{50} of 20 nM/160 nM, 400-fold greater selectivity for S6K1 than S6K2, and 4- and >20-fold selectivity FOR S6K1 than MSK1 and RSK1/2, respectively. First S6K1-specific inhibitor to be reported.

Synonyms

PF-04708671

Product Information

CAS No.

1255517-76-0

Molecular Formula

C₁₉H₂₁F₃N₆

Chemical Name

1H-Benzimidazole, 2-[[4-(5-ethyl-4-pyrimidinyl)-1-piperazinyl]methyl]-6-(trifluoromethyl)-

Molecular Weight

390.41

Targets

p70 S6K1

IC₅₀

160 nM

Solubility

DMSO 30 mg/mL; Water <1 mg/mL; Ethanol 8 mg/mL

Storage and Shipping Information

Storage

2 years -20 centigrade Powder; 2 weeks 4 centigrade in DMSO; 6 months -80 centigrade in DMSO.