

## 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** C<sub>19</sub>H<sub>21</sub>F<sub>3</sub>N<sub>6</sub>

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

**Molecular Weight** 390.41

**Targets** p70 S6K1

**IC<sub>50</sub>** 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.