

## RWJ-67657

Cat. No. CEI-1105

Lot. No. (See product label)

### Introduction

**Description** RWJ-67657 is a potent, orally active inhibitor of p38 mitogen-activated protein kinase. It selectively inhibits p38 $\alpha$  and p38 $\beta$  over p38 $\gamma$ , p38 $\delta$  and a range of other kinases. RWJ-67657 inhibits the release of TNF- $\alpha$  by lipopolysaccharide (a monocyte stimulus)-treated human peripheral blood mononuclear cells with an IC50 of 3 nM, as well as the release of TNF- $\alpha$  from peripheral blood mononuclear cells treated with the superantigen staphylococcal enterotoxin B (a T cell stimulus), with an IC50 of 13 nM. RWJ-67657 may have use as a treatment for inflammatory diseases.

**Synonyms** RP1-179N16.5, CSBP, CSBP1, CSBP2, CSPB1, EXIP, Mxi2, PRKM14, PRKM15, RK, SAPK2A, p38, P38alpha

### Product Information

**CAS No.** 215303-72-3

**Molecular Formula** C27H24FN3O

**Chemical Name** 4-(4-(4-fluorophenyl)-1-(3-phenylpropyl)-5-(pyridin-4-yl)-1H-imidazol-2-yl)but-3-yn-1-ol

**Molecular Weight** 425.5

**Purity** > 95%

**Targets** p38 MAP

**Solubility** DMSO > 112mg/mL Water >1mg/mL Ethanol > 4mg/mL

### Storage and Shipping Information

**Storage** 4 centigrade

**Stability** 2 years -20 centigrade Powder 1 month -4 centigrade in DMSO More than one month -80 centigrade in DMSO