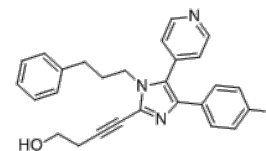


**Product Name** : RWJ 67657  
**Cat. No.** : PC-60627  
**CAS No.** : 215303-72-3  
**Molecular Formula** : C<sub>27</sub>H<sub>24</sub>FN<sub>3</sub>O  
**Molecular Weight** : 425.5  
**Target** : p38 MAPK  
**Solubility** : 10 mM in DMSO



## Biological Activity

RWJ 67657 is a potent, selective, orally active **p38 MAPK** inhibitor that inhibits the production of TNF- $\alpha$  and IL-1 $\beta$  by LPS-stimulated human PBMCs with IC<sub>50</sub> of 3 and 11 nM, respectively.

RWJ 67657 inhibits p38 $\alpha$  from purified LPS-activated human monocytes with IC<sub>50</sub> of 30 nM, less potent for p38 $\beta$ .

RWJ 67657 also inhibits Src (IC<sub>50</sub>=5  $\mu$ M), p65 Lck and no activity against other MAPKs and serine-threonine kinases.

RWJ 67657 inhibits TNF-alpha production in LPS-injected mice.

## References

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Schafer PH, et al. J Immunol. 1999 Jun 15;162(12):7110-9.

Fijen JW, et al. Clin Exp Immunol. 2001 Apr;124(1):16-20.

Faas MM, et al. Clin Exp Immunol. 2002 Feb;127(2):337-43.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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