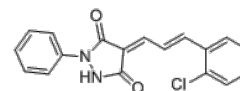


**Product Name** : CPYPP  
**Cat. No.** : PC-62450  
**CAS No.** : 310460-39-0  
**Molecular Formula** : C<sub>18</sub>H<sub>13</sub>ClN<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 324.764  
**Target** : Small GTPase  
**Solubility** : 10 mM in DMSO



## Biological Activity

CPYPP is a small-molecule inhibitor of the Rac activator DOCK2 with IC<sub>50</sub> of 22.8 μM (DOCK2DHR-2-mediated Rac GEF activity), inhibits **DOCK2-Rac1** interaction.

CPYPP binds to DOCK2 DHR-2 domain in a reversible manner and inhibited its catalytic activity in vitro.

CPYPP blocks both chemokine receptor- and antigen receptor-mediated Rac activation in lymphocytes, resulting in marked reduction of chemotactic response and T cell activation.

## References

Nishikimi A, et al. *Chem Biol.* 2012 Apr 20;19(4):488-97.

Watanabe M, et al. *J Immunol.* 2014 Dec 1;193(11):5660-7.

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

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