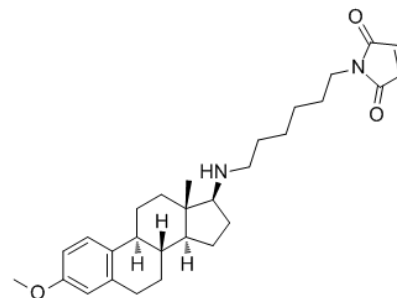


**Product Name** : U-73122  
**Cat. No.** : PC-43523  
**CAS No.** : 112648-68-7  
**Molecular Formula** : C<sub>29</sub>H<sub>40</sub>N<sub>2</sub>O<sub>3</sub>  
**Molecular Weight** : 464.64  
**Target** : Phospholipase  
**Solubility** : DMSO: < 4.8 mg/mL



## Biological Activity

U-73122 is an unselective phospholipase C (**PLC**) inhibitor, inhibits agonist-induced platelet aggregation with IC<sub>50</sub> of 1-5 uM.

U-73122 also inhibited PMN adherence to and transmigration through TNF-alpha-activated endothelium (IC<sub>50</sub> <50 nM).

U-73122 inhibits PLC-dependent processes in human platelets and polymorphonuclear neutrophils.

U-73122 also directly modulates TRPM4 and TRPM3 channels, potentiates Ca(2) (+) -dependent TRPM4 currents in human Jurkat T-cells, endogenous TRPM4 in HEK293T cells and recombinant human TRPM4.

## References

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Smith RJ, et al. *J Pharmacol Exp Ther.* 1996 Jul;278(1):320-9.

Leitner MG, et al. *Br J Pharmacol.* 2016 Aug;173(16):2555-69.

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

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