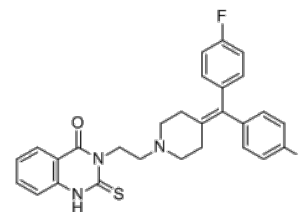


**Product Name** : R59949  
**Cat. No.** : PC-70275  
**CAS No.** : 120166-69-0  
**Molecular Formula** : C<sub>28</sub>H<sub>25</sub>F<sub>2</sub>N<sub>3</sub>OS  
**Molecular Weight** : 489.585  
**Target** : Diacylglycerol Kinase (DGK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

R59949 is a small molecule inhibitor of diacylglycerol kinase (**DGK**) with IC<sub>50</sub> of 0.01-10 uM in isolated platelet membranes and in intact platelets.

R59949 markedly increases PKC activity in platelets stimulated with vasopressin, produces partial inhibition of formation of phosphatidic acid in human platelets challenged with thrombin, DC8 or OAG.

R59949 also induces caspase-mediated apoptosis in glioblastoma cells and in other cancers, but lacks toxicity in noncancerous cells.

## References

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Rodríguez-Liñares B, et al. *Biochem Pharmacol.* 1991 Mar 1;41(5):835-8.

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

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