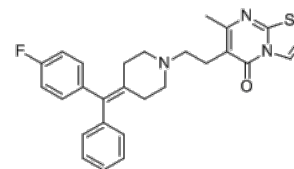


Product Name : R 59022
Cat. No. : PC-70274
CAS No. : 93076-89-2
Molecular Formula : C₂₇H₂₆FN₃OS
Molecular Weight : 459.58
Target : Diacylglycerol Kinase (DGK)
Solubility : 10 mM in DMSO



Biological Activity

R 59022 is a small molecule inhibitor of **diacylglycerol kinase (DGK)** with IC₅₀ of 2.8 uM, inhibits the phosphorylation of OAG to OAPA with IC₅₀ of 3.8 uM in intact platelets.

R 59022 concomitantly stimulates PKC activity, selectively suppresses U46619-induced enhancement of mouse portal vein contraction under high glucose conditions.

R 59022 also induces caspase-mediated apoptosis in glioblastoma cells and in other cancers, but lacks toxicity in noncancerous cells.

References

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

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