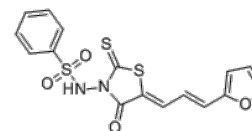


Product Name : CU-3
Cat. No. : PC-63497
CAS No. : 1815598-71-0
Molecular Formula : C₁₆H₁₂N₂O₄S₃
Molecular Weight : 392.462
Target : Diacylglycerol Kinase (DGK)
Solubility : 10 mM in DMSO



Biological Activity

CU-3 (DGK α inhibitor CU-3) is a novel potent, selective diacylglycerol kinase α (**DGK α**) inhibitor with IC₅₀ of 0.6 μ M, targets the catalytic region, but not the regulatory region.

CU-3 competitively reduces the affinity of DGK α for ATP, but not diacylglycerol or phosphatidylserine, displays selectivity over other nine isozymes (IC₅₀>7 μ M).

CU-3 induces apoptosis in HepG2 hepatocellular carcinoma and HeLa cervical cancer cells while simultaneously enhancing the interleukin-2 production of Jurkat T cells.

References

Liu K, et al. *J Lipid Res.* 2016 Mar;57(3):368-79.

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

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