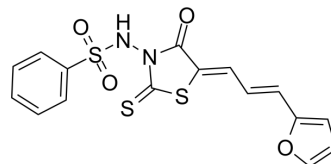


CU-3

Cat. No.:	HY-121638
CAS No.:	2983265-35-4
Molecular Formula:	C ₁₆ H ₁₂ N ₂ O ₄ S ₃
Molecular Weight:	392.47
Target:	Apoptosis; DGK
Pathway:	Apoptosis; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

CU-3 is the racemate of (5Z,2E)-CU-3. (5Z,2E)-CU-3 is a potent and selective inhibitor against the α -isozyme of DGK with an IC₅₀ value of 0.6 μ M, competitively inhibits the affinity of DGK α for ATP with a K_m value of 0.48 mM. (5Z,2E)-CU-3 targets the catalytic region, but not the regulatory region of DGK α . (5Z,2E)-CU-3 has antitumoral and proimmunogenic effects, enhances the apoptosis of cancer cells and the activation of T cells^[1].

REFERENCES

[1]. Liu K, et al. A novel diacylglycerol kinase α -selective inhibitor, CU-3, induces cancer cell apoptosis and enhances immune response. J Lipid Res. 2016 Mar;57(3):368-79.

Caution: Product has not been fully validated for medical applications. For research use only.

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