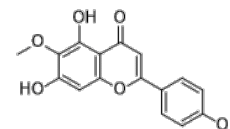


Product Name : Hispidulin
Cat. No. : PC-23346
CAS No. : 1447-88-7
Molecular Formula : C₁₆H₁₂O₆
Molecular Weight : 300.27
Target : Pim
Solubility : 10 mM in DMSO



Biological Activity

Hispidulin (Dinatin) is a natural flavone with a broad spectrum of biological activities, inhibits Pim-1 and MNK2 with IC₅₀ of 1.7 μM and 252 nM respectively, also inhibits COMT.

Hispidulin inhibited the growth of MOLM-13 and MV4-11 AML cells by downregulating eIF4E phosphorylation and arresting the cell cycle at the G₀/G₁ phase.

Hispidulin Hispidulin attenuated social withdrawal by activating D1 receptors indirectly through elevated dopamine levels in the PFC by COMT inhibition.

Hispidulin suppresses cell growth and metastasis by targeting PIM1 through JAK2/STAT3 signaling in colorectal cancer.

References

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

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