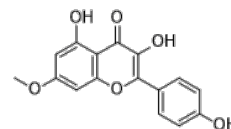


Product Name : Rhamnocitrin
Cat. No. : PC-23402
CAS No. : 569-92-6
Molecular Formula : C₁₆H₁₂O₆
Molecular Weight : 300.27
Target : STING
Solubility : 10 mM in DMSO



Biological Activity

Rhamnocitrin is a flavonoid with anti-oxidant, anti-inflammatory and anti-atherosclerosis activity, also shows antiviral activity against influenza virus H3N2 by inhibiting cGAS/STING pathway.

Rhamnocitrin shows antiviral effect and anti-apoptosis on influenza virus A/Aichi/2/1968 (H3N2) in MDCK cells and A549 cells.

Rhamnocitrin has good binding activity with the target proteins cGAS and STING (K_d=2.6 μM).

Rhamnocitrin could reduce type I IFN and proinflammatory cytokines production by inhibiting the cGAS/STING pathway.

References

Zexing Chen, et al. Sci Rep. 2024 Nov 16;14(1):28287.

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

E-mail: tech@probechem.com