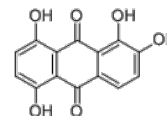


Product Name : Quinalizarin
Cat. No. : PC-62192
CAS No. : 81-61-8
Molecular Formula : C₁₄H₈O₆
Molecular Weight : 272.212
Target : Casein Kinase
Solubility : 10 mM in DMSO



Biological Activity

Quinalizarin is a potent, selective and cell-permeable inhibitor of **CK2** with K_i of 58 nM.

Quinalizarin shows selectivity over DYRK1a, PIMs, HIPK2, MNK1, ERK8 and PKD1.

Quinalizarin inhibits endogenous CK2 and induces apoptosis more efficiently than Emodin in Jurkat cells.

Quinalizarin reduces cell viability with emphasis on adenocarcinoma cells harboring EGFR sensitive mutation, suppresses migration, and accelerates apoptosis in different human lung cancer cell lines.

References

Cozza G, et al. *Biochem J*. 2009 Jul 15;421(3):387-95.

Zhou Y, et al. *Indian J Cancer*. 2015 Dec;52 Suppl 2:e119-24.

Pan X, et al. *Int J Oncol*. 2016 Mar;48(3):1073-84.

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

E-mail: tech@probechem.com