

Product Name : Quinalizarin

Synonyms : Quinalizarin;

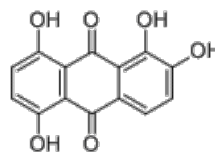
Cat No. : M16041

CAS Number : 81-61-8

Molecular Formula : C₁₄H₈O₆

Formula Weight : 272.21

Chemical Name : 1,2,5,8-Tetrahydroxyanthracene-9,10-dione



Description : Quinalizarin is a potent, selective and cell-permeable inhibitor of CK2 with K_i of 58 nM; shows selectivity over DYRK1a, PIMs, HIPK2, MNK1, ERK8 and PKD1; inhibits endogenous CK2 and induces apoptosis more efficiently than Emodin in Jurkat cells; reduces cell viability with emphasis on adenocarcinoma cells harboring EGFR sensitive mutation, suppresses migration, and accelerates apoptosis in different human lung cancer cell lines.

Pathway : Metabolic Enzyme/Protease

Target : Casein Kinase

Receptor : Casein Kinase

Solubility : —

SMILES : O=C(C1=C2C(O)=CC=C1O)C3=CC=C(O)C(O)=C3C2=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Cozza G, et al. Biochem J. 2009 Jul 15;421(3):387-95. | 2. Zhou Y, et al. Indian J Cancer. 2015 Dec;52 Suppl 2:e119-24. | 3. Pan X, et al. Int J Oncol. 2016 Mar;48(3):1073-84.