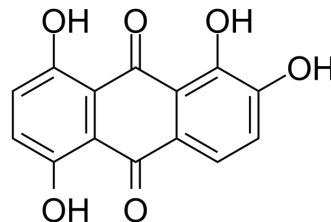


## Quinalizarin

Cat. No.:	HY-124833
CAS No.:	81-61-8
Molecular Formula:	C <sub>14</sub> H <sub>8</sub> O <sub>6</sub>
Molecular Weight:	272.21
Target:	Casein Kinase
Pathway:	Cell Cycle/DNA Damage; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Quinalizarin is a potent, selective and cell-permeable protein kinase CK2 inhibitor with an K <sub>i</sub> of ~50 nM and an IC <sub>50</sub> of 110 nM. Quinalizarin can induce apoptosis of certain cancer cells <sup>[1]</sup> .	
IC <sub>50</sub> & Target	CK2 ~50 nM (K <sub>i</sub> )	CK2 110 nM (IC <sub>50</sub> )

### REFERENCES

[1]. Cozza G, et al. Quinalizarin as a potent, selective and cell-permeable inhibitor of protein kinase CK2. *Biochem J.* 2009;421(3):387-395. Published 2009 Jul 15.

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

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