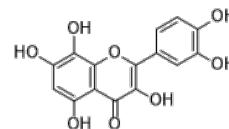


Product Name : Gossypetin
Cat. No. : PC-28335
CAS No. : 489-35-0
Molecular Formula : C₁₅H₁₀O₈
Molecular Weight : 318.24
Target : MEK (MAP2K)
Solubility : 10 mM in DMSO



Biological Activity

Gossypetin is a hexahydroxylated flavonoid within antioxidant, antibacterial and anticancer activities, is a potent inhibitor of **MKK3** and **MKK6**, also is a **USP5-Cav3.2** disruptor.

Gossypetin ameliorates ionizing radiation-induced oxidative stress in mice liver

Gossypetin reverses inflammatory and neuropathic pain.

Gossypetin induces G2 phase arrest and apoptosis of esophageal cancer cells.

Gossypetin suppresses esophageal cancer growth in vitro and in vivo.

References

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Khan A, et al. *Free Radic Res.* 2015 Oct;49(10):1173-86.

Gadotti VM, et al. *Mol Pain.* 2015 Mar 14;11:12.

Xie X, et al. *Cancer Lett.* 2019 Feb 1;442:126-136.

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

E-mail: tech@probechem.com