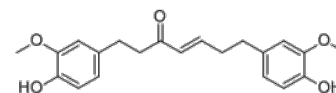


Product Name : Gingerenone A
Cat. No. : PC-60874
CAS No. : 128700-97-0
Molecular Formula : C₂₁H₂₄O₅
Molecular Weight : 356.418
Target : JAK
Solubility : 10 mM in DMSO



Biological Activity

Gingerenone A is a dual inhibitor of **JAK2 and S6K1** pathways, selectively kills cancer cells while exhibiting minimal toxicity toward normal cells.

Gingerenone A induces apoptosis in cancer cells and suppresses tumor growth in vivo associated with relative phosphorylation levels of JAK2 and S6K1.

Gingerenone A suppresses obesity and adipose tissue inflammation in high-fat diet-fed mice.

References

Byun S, et al. *J Biol Chem*. 2015 Sep 25;290(39):23553-62.

Kim HJ, et al. *J Cell Biochem*. 2018 Jan;119(1):260-268.

Suk S, et al. *Mol Nutr Food Res*. 2017 Oct;61(10).

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

E-mail: tech@probechem.com