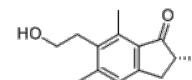


Product Name : Pterodin B
Cat. No. : PC-63123
CAS No. : 34175-96-7
Molecular Formula : C₁₄H₁₈O₂
Molecular Weight : 218.296
Target : Salt Inducible Kinase (SIK)
Solubility : 10 mM in DMSO



Biological Activity

Pterodin B is a potent and specific **SIK3** signaling inhibitor that suppresses SIK3 downstream cascades by up-regulating the phosphorylation levels in the SIK3 C-terminal regulatory domain.

Pterodin B shows no effect on up-regulation of MEK2 and down-regulation of CRTC2 activities by SIK1 or SIK2.

Pterodin B promotes glucose production by up-regulating gluconeogenic gene expression in mouse hepatoma AML-12 cells, decreases the glycogen content and stimulates an association between PHKG2 and SIK3.

References

Itoh Y, et al. *J Biol Chem*. 2015 Jul 17;290(29):17879-93.

Yahara Y, et al. *Nat Commun*. 2016 Mar 24;7:10959.

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

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