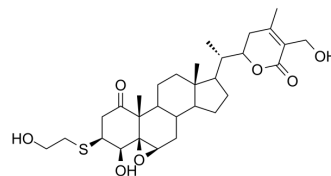


3-(2-Hydroxyethyl) thio withaferin A

Cat. No.:	HY-N10358
Molecular Formula:	C ₃₀ H ₄₄ O ₇ S
Molecular Weight:	548.73
Target:	NF-κB
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

3-(2-Hydroxyethyl) thio withaferin A is a Withaferin A derivative. Withaferin A, a steroidal lactone, inhibits NF-κB activation and targets vimentin, with potent antiinflammatory and anticancer activities. Withaferin A is an inhibitor of endothelial protein C receptor (EPCR) shedding^{[1][2][3]}.

REFERENCES

- [1]. Kaileh M, et al. Withaferin A strongly elicits IκB kinase beta hyperphosphorylation concomitant with potent inhibition of its kinase activity. *J Biol Chem*. 2007 Feb 16;282(7):4253-64. Epub 2006 Dec 6.
- [2]. Bargagna-Mohan P, et al. The tumor inhibitor and antiangiogenic agent withaferin A targets the intermediate filament protein vimentin. *Chem Biol*. 2007 Jun;14(6):623-34.
- [3]. Kakar SS, et al. Withaferin A (WFA) inhibits tumor growth and metastasis by targeting ovarian cancer stem cells. *Oncotarget*. 2017 Aug 10;8(43):74494-74505.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA