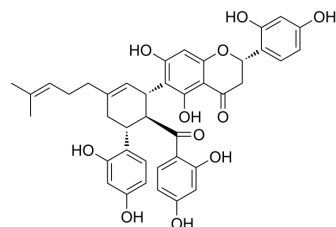


Sanggenon G

Cat. No.:	HY-12372
CAS No.:	85698-31-3
Molecular Formula:	C ₄₀ H ₃₈ O ₁₁
Molecular Weight:	694.72
Target:	IAP; Caspase
Pathway:	Apoptosis
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description	Sanggenon G is a cell-permeable and potent inhibitor of X-linked inhibitor of apoptosis protein (XIAP). Sanggenon G binds specifically to the BIR3 domain of XIAP with a binding affinity of 34.26 μM. Sanggenon G enhances caspase activation ^[1] .		
IC ₅₀ & Target	Caspase-3	Caspase-8	Caspase-9
In Vitro	Sanggenon G (14.4 μM, 24 h) enhances caspase-8, -3 and -9 cleavage, displaces caspase-9 from XIAP and sensitizes Molt3/XIAP cells to Etoposide (HY-13629)-induced apoptosis ^[1] . Sanggenon G not only sensitizes the XIAP-overexpressing leukemia cell line Molt3/XIAP to Etoposide (HY-13629) treatment but also different neuroblastoma cell lines endogenously expressing high XIAP levels ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

[1]. Seiter MA, et al. Discovery of Sanggenon G as a natural cell-permeable small-molecular weight inhibitor of X-linked inhibitor of apoptosis protein (XIAP). FEBS Open Bio. 2014 Jul 5;4:659-71.

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