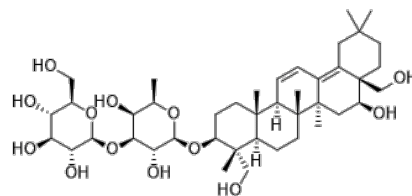


**Product Name** : Saikosaponin B1  
**Cat. No.** : PC-27756  
**CAS No.** : 58558-08-0  
**Molecular Formula** :  $C_{42}H_{68}O_{13}$   
**Molecular Weight** : 780.98  
**Target** : Hedgehog (Hh)  
**Solubility** : 10 mM in DMSO



### Biological Activity

Saikosaponin B1 is a bioactive constituent of Radix Bupleuri with anti-cancer activity, inhibits tumor growth in medulloblastoma via inhibiting Hedgehog pathway through targeting Smoothened (SMO), inhibits GLI-luciferase activity in Shh Light II cells with IC<sub>50</sub> of 241.8 nM, also is a potent modulator of Piezo1 channel, alleviates mitochondrial damage and apoptosis in osteoarthritic chondrocytes.

### References

- Luo J, et al. J Nat Med. 2022 Jun;76(3):584-593.  
Yang X, et al. Biochem Pharmacol. 2026 Aug 13;253(Pt 2):118360.

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

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