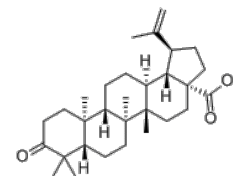


**Product Name** : Liquidambaric acid  
**Cat. No.** : PC-20658  
**CAS No.** : 4481-62-3  
**Molecular Formula** : C<sub>30</sub>H<sub>46</sub>O<sub>3</sub>  
**Molecular Weight** : 454.70  
**Target** : TNF Receptor  
**Solubility** : 10 mM in DMSO



CAS: 4481-62-3

## Biological Activity

Liquidambaric acid (Betulonic acid) is a natural compound inhibiting oncogenic **Wnt/β-catenin** signaling in vitro and in vivo, directly targets tumor necrosis factor receptor-associated factor 2 (**TRAF2**) with K<sub>d</sub> of 6.02 μM in MST assays.

TRAF2 is a positive regulator of Wnt/β-catenin signaling and colon cancer.

Liquidambaric acid disrupts the interaction between TRAF2 and β-catenin in both MST and coIP assays.

Liquidambaric acid inhibits TRAF2/β-catenin/TCF4/TNIK complex formation in colon cancer.

## References

Yan R, et al. *Cell Rep.* 2022 Feb 1;38(5):110319.

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

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