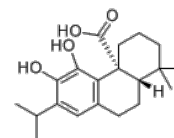


Product Name : Carnosic acid
Cat. No. : PC-61323
CAS No. : 3650-09-7
Molecular Formula : C₂₀H₂₈O₄
Molecular Weight : 332.4
Target : Beta-catenin
Solubility : 10 mM in DMSO



Biological Activity

Carnosic acid (Carnosate) is a naturally occurring phenolic compound with antioxidant, anti-inflammatory and antimicrobial properties, inhibits the **BCL9/β-catenin interaction** with K_i of 3.3 μM.

Carnosic acid inhibits β-catenin-dependent transcription, and destabilizes oncogenic β-catenin in colon cancer cells.

Carnosic acid reduces the expression of Sox2 and the number of SOX2+ cells in MB sphere cultures.

References

Rodriguez-Blanco J, et al. **Oncogene**. 2017 Jul 17. doi: 10.1038/onc.2017.232.

de la Roche M, et al. **Nat Commun**. 2012 Feb 21;3:680.

de la Roche M, et al. **Cancer Res**. 2014 Mar 1;74(5):1495-505.

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

E-mail: tech@probechem.com