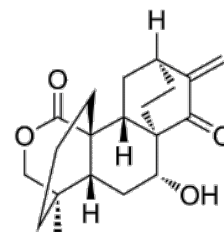


Product Name : NC-043
Cat. No. : PC-61798
CAS No. : 1053172-87-4
Molecular Formula : C₂₀H₂₆O₄
Molecular Weight : 330.42
Target : Beta-catenin
Solubility : 10 mM in DMSO



CAS: 1053172-87-4

Biological Activity

NC-043 (15-Oxospiramilactone) is a diterpenoid derivative inhibitor of **Wnt/β-catenin** signaling that interferes with the **β-catenin/TCF4** association.

NC-043 decreases the mRNA and/or protein expression of Wnt target genes Axin2, Cyclin D1 and Survivin in SW480 cells, inhibits anchorage-independent growth and xenograft tumorigenesis in vitro and in vivo.

NC-043 inhibits canonical Wnt signaling downstream of β-catenin stability, causes G2/M arrest and inhibits colon cancer cell growth.

References

Wang W, et al. *Cell Res.* 2011 May;21(5):730-40.

Yan M, et al. *Exp Biol Med (Maywood)*. 2017 Jun;242(11):1185-1197.

He X, et al. *Cell Discov.* 2017 Jan 31;3:17003.

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

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