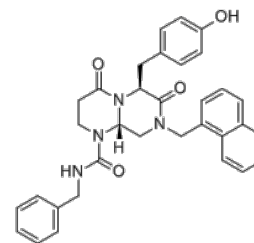


Product Name : ICG-001
Cat. No. : PC-20622
CAS No. : 780757-88-2
Molecular Formula : C₃₃H₃₂N₄O₄
Molecular Weight : 548.63
Target : Beta-catenin
Solubility : 10 mM in DMSO



CAS: 780757-88-2

Biological Activity

ICG-001 (ICG001) is a specific small molecule inhibitor of TCF/beta-catenin, antagonizes β -catenin/TCF-mediated transcription with IC₅₀ of 3 μ M.

ICG-001 binds specifically to CBP but not the related transcriptional coactivator p300, thereby disrupting the interaction of CBP with β -catenin.

ICG-001 also does not inhibit other CBP-dependent reporters, including AP-1 and CRE (IC₅₀>100 μ M).

ICG-001 induces apoptosis in colon carcinoma cells but not in normal colonic epithelial cells.

ICG-001 inhibits the expression of the TCF/ β -catenin-mediated genes survivin and cyclin D1, ICG-001 down-regulates survivin and increases caspase activity in colon carcinoma cell lines.

ICG-001 (150 mg/kg, i.v.) is efficacious in both the Min mouse and nude mouse SW620 xenograft models of cancer.

References

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Ma H, et al. Oncogene. 2005 May 19;24(22):3619-31.

Teo JL, et al. Proc Natl Acad Sci U S A. 2005 Aug 23;102(34):12171-6.

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

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