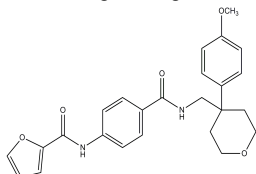


Product: JW55**ALTERNATE NAME:** N-[4-[[[4-Tetrahydro-4-(4-methoxyphenyl)-2H-pyran-4-yl]methyl]amino]carbonyl]phenyl]-2-furancarboxamide**CATALOG #:** 2612-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₅H₂₆N₂O₅**MOLECULAR WEIGHT:** 434.48**CAS No.** 664993-53-7**APPEARANCE:** Off-white solid**SOLUBILITY:** DMSO (~ 40 mg/ml) or EtOH (~ 40 mg/ml)**PURITY:** >98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** JW55 is a small molecule inhibitor of the Wnt/β-catenin signaling pathway that functions via inhibition of the PARP domain of tankyrase 1 and tankyrase 2 (TNKS1/2), regulators of the β-catenin destruction complex. Inhibition of TNKS1/2 poly(ADP-ribose)ation activity by JW55 leads to stabilization of AXIN2, a member of the β-catenin destruction complex, followed by increased degradation of β-catenin. In a dose-dependent manner, JW55 inhibits canonical Wnt signaling in colon carcinoma cells that contained mutations in either the APC (adenomatous polyposis coli) locus or in an allele of β-catenin.**REFERENCES:** Waaler, J., *et al.* (2012). *Cancer Res.* **72**, 2822-2832.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

CRT Inhibitor, iCRT5 (Cat. No. 1896-5, 25)

ICG-001 (Cat. No. 2275-5, 25)

IQ-1 (Cat. No. 1663-1)

IWP-3 (Cat. No. 2349-1, 5)

IWP-2 (Cat. No. 1962-5, 25)

KY02111 (Cat. No. 2264-5, 25)

QS-11 (Cat. No. 1680-5)

Wnt antagonist, C59 (Cat. No. 2063-1, 5)

Wnt-1 Antibody (Cat. No. 3571-100)

Wnt-1 Antibody (Cat. No. 5754-100)

Wnt-1, human recombinant (Cat. No. 4754-10, 5-0, 1000)

Wnt-2 Antibody (Cat. No. 3572R-100)

Wnt-4 Antibody (Cat. No. 3574R-100)

Wnt-6 Antibody (Cat. No. 3570-100)

XAV939 (Cat. No. 1727-1)

FOR RESEARCH USE ONLY! Not to be used in humans.