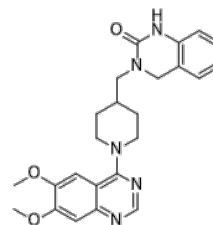


Product Name : K-756
Cat. No. : PC-23199
CAS No. : 130017-40-2
Molecular Formula : C₂₄H₂₇N₅O₃
Molecular Weight : 433.51
Target : PARP
Solubility : 10 mM in DMSO



Biological Activity

K-756 is a small molecule inhibitor of the Wnt/ β -catenin pathway with IC₅₀ of 110 nM in Wnt/ β -catenin reporter assay, and selective tankyrase (TNKS) inhibitor with IC₅₀ of 31 and 36 nM for TNKS1 and TNKS2, stabilizes Axin1/2 by inhibiting TNKS1/2.

K-756 binds to the induced pocket of TNKS and inhibits its enzyme activity.

K-756 inhibited the cell growth of APC-mutant colorectal cancer COLO 320DM and SW403 cells by inhibiting the Wnt/ β -catenin pathway.

K-756 inhibited the Wnt/ β -catenin pathway in colon cancer xenografts in mice.

When K-756 was combined with an EGFR inhibitor (gefitinib), it showed a strong synergistic effect.

References

Okada-Iwasaki R, et al. Mol Cancer Ther. 2016 Jul;15(7):1525-34.

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

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