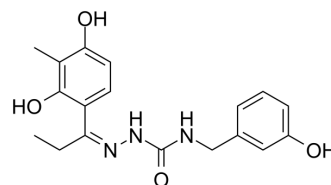


GA-017

Cat. No.:	HY-147082
CAS No.:	2351906-74-4
Molecular Formula:	C ₁₈ H ₂₁ N ₃ O ₄
Molecular Weight:	343.38
Target:	YAP
Pathway:	Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GA-017 is a potent and selective LATS1 and LATS2 (large tumor suppressor kinase 1/2) inhibitor, with IC ₅₀ values of 4.10 and 3.92 nM, respectively. GA-017 is an activator of cell proliferation. GA-017 promotes YAP/TAZ activation and nuclear translocation. GA-017 promotes cell growth under 3D culture conditions. GA-017 enhances the ex vivo formation of mouse intestinal organoids ^[1] .
IC₅₀ & Target	IC ₅₀ : 3.92 ± 0.42 nM (LATS2), 4.10 ± 0.79 nM (LATS1) ^[1]
In Vitro	GA-017 suppresses the cell death of HUVECs and promotes their cell growth ^[1] . GA-017 facilitates SKOV3 cell growth, with an EC ₅₀ of 3.51 ± 0.26 μM ^[1] . GA-017 competitively inhibited LATS1 and 2 against ATP, with K _i (inhibition constant) values of 0.58 ± 0.11 and 0.25 ± 0.03 nM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Aihara A, et al. Small molecule LATS kinase inhibitors block the Hippo signaling pathway and promote cell growth under 3D culture conditions. J Biol Chem. 2022 Apr;298(4):101779.

Caution: Product has not been fully validated for medical applications. For research use only.

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