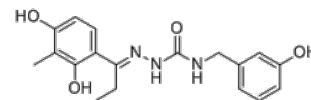


Product Name : GA-017
Cat. No. : PC-73093
CAS No. : 2351906-74-4
Molecular Formula : C₁₈H₂₁N₃O₄
Molecular Weight : 343.383
Target : Hippo
Solubility : 10 mM in DMSO



Biological Activity

GA-017 (GA017) is a potent, selective, ATP-competitive **LATS kinase (LATS1/2)** inhibitor with IC₅₀ of 4.10/3.92 nM, respectively, promotes cell growth.

GA-017 increases the number and size of spheroids of various cell-types in both scaffold-based and scaffold-independent cultures.

GA-017 also enhances the ex vivo formation of mouse intestinal organoids.

GA-017 facilitates the growth of spheroids and organoids by stabilizing and translocating YAP/TAZ into the cell nucleus.

GA-017 inhibits the Hippo pathway to promote YAP/TAZ stabilization and nuclear translocation.

GA-017 induces expression of Hippo pathway-related genes such as ANKRD1, CYR61, and CTGF in SKOV3 cells in a time- and dose-dependent manner.

GA-017 inhibited the activity of 16 kinases of the AGC family at 100 nM against a panel of 321 diverse kinases. The serine/threonine protein kinases LATS (LATS1/2) phosphorylate YAP/TAZ, key effectors of the growth- and proliferation-regulating Hippo signaling pathway.

References

Aihara A, et al. *J Biol Chem.* 2022 Feb 26:101779.

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

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