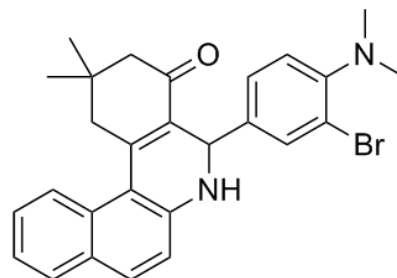


Product Name : Glutaminase C inhibitor 968
Cat. No. : PC-43146
CAS No. : 311795-38-7
Molecular Formula : C₂₇H₂₇BrN₂O
Molecular Weight : 475.4201
Target : Glutaminase
Solubility : 10 mM in DMSO



Biological Activity

Glutaminase C inhibitor 968 is a small molecule allosteric inhibitor of **glutaminase C (GAC)** catalytic activity with K_d of 3 μM, specifically inhibited the growth of transformed cells and various cancer cells by blocking GAC activation. Glutaminase C inhibitor 968 inhibits Rho GTPase-dependent transformation and glutaminolysis, blocks the cellular transformation induced by the Rho family-GEF oncogenic Dbl at 1-10 μM. Glutaminase C inhibitor 968 preferentially binds to the monomeric state of GAC. Glutaminase C inhibitor 968 reduces the size of the tumors in mouse xenograft lymphoma.

References

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Han T, et al. *Oncotarget*. 2017 Apr 25;8(17):28063-28073.
Effenberger M, et al. *Oncotarget*. 2017 Aug 24;8(49):85858-85867.

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

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