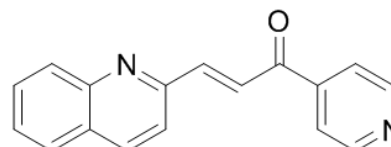


Product Name : PFK15
Cat. No. : PC-42915
CAS No. : 4382-63-2
Molecular Formula : C₁₇H₁₂N₂O
Molecular Weight : 260.29
Target : Other Targets
Solubility : DMSO: 25.2 mg/mL



Biological Activity

PFK15 (PFK 015) is a potent, selective 6-phosphofructo-2-kinase (**PFKFB3**) inhibitor with IC₅₀ of 207 nM against recombinant human PFKFB3, displays 100-fold more activity than 3PO.

PFK15 (PFK 015) does not inhibit PFK-1, hexokinase, phosphoglucose isomerase and PFKFB4, and has no activity against a panel of 96 kinases.

PFK15 (PFK 015) inhibits cancer cell viability (H522 cell IC₅₀=0.72 μM) and induces apoptosis.

PFK15 (PFK 015) suppresses the glucose uptake and exhibits antitumor effects in human xenograft models.

References

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Lea MA, et al. *Anticancer Res.* 2016 Apr;36(4):1479-88.

Zhu W, et al. *PLoS One.* 2016 Sep 26;11(9):e0163768.

Li HM, et al. *J Exp Clin Cancer Res.* 2017 Jan 7;36(1):7.

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

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