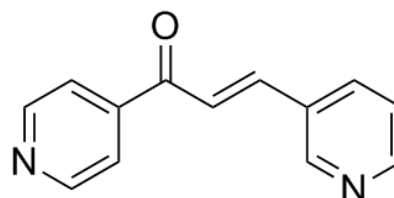


Product Name : 3PO
Cat. No. : PC-45735
CAS No. : 18550-98-6
Molecular Formula : C₁₃H₁₀N₂O
Molecular Weight : 210.2313
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

PFKFB3 inhibitor 3PO is a small-molecule, competitive inhibitor of **PFKFB3** isozyme with IC₅₀ of 23 uM. 3PO causes a rapid reduction in fructose-2,6-bisphosphate (F2,6BP), glucose uptake, and lactate secretion. 3PO attenuates the proliferation of several human malignant hematopoietic and adenocarcinoma cell lines (IC₅₀=1.4-24 uM). 3PO selectively cytostatic to transformed cells and inhibits tumorigenic growth in vivo.

References

- Clem B, et al. *Mol Cancer Ther.* 2008 Jan;7(1):110-20.
Telang S, et al. *J Transl Med.* 2012 May 16;10:95.
Houddane A, et al. *Cell Signal.* 2017 Jun;34:23-37.

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

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