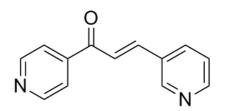


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| Product Name | : | 3PO |
|-------------------|---|--------------------|
| Cat. No. | : | PC-45735 |
| CAS No. | : | 18550-98-6 |
| Molecular Formula | : | $C_{13}H_{10}N_2O$ |
| Molecular Weight | : | 210.2313 |
| Target | : | Other Targets |
| Solubility | : | 10 mM in DMSO |
| | | |

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.



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! E-mail: tech@probechem.com