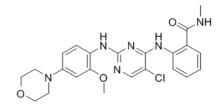


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## **Data Sheet**

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	NVP-TAE226
Cat. No.	:	PC-43388
CAS No.	:	761437-28-9
Molecular Formula	:	C <sub>23</sub> H <sub>25</sub> CIN <sub>6</sub> O <sub>3</sub>
Molecular Weight	:	468.936
Target	:	Focal Adhesion Kinase (FAK)
Solubility	:	10 mM in DMSO



## **Biological Activity**

NVP-TAE226 (TAE226) is a potent **FAK** inhibitor with IC50 of 5.5 nM, also potently inhibits **Pyk2** (IC50=5 nM), 10- to 100-fold less potent against IR, IGF-IR, ALK, and c-Met kinases.

TAE226 suppresses the growth and invasion of glioma cells, inhibits extracellular matrix-induced autophosphorylation of FAK Tyr397.

TAE226 also inhibits IGF-I-induced phosphorylation of IGF-IR and activity of its downstream target genes such as MAPK and Akt.

TAE226 significantly increases the survival rate of animals in glioma xenograft model.

## References

Halder J, et al. *Cancer Res*. 2007 Nov 15;67(22):10976-83. Liu TJ, et al. *Mol Cancer Ther.* 2007 Apr;6(4):1357-67. Watanabe N, et al. *Clin Cancer Res*. 2008 Jul 15;14(14):4631-9. Sakurama K, et al. *Mol Cancer Ther*. 2009 Jan;8(1):127-34.

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

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