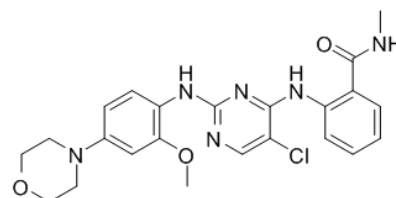


Product Name : NVP-TAE226
Cat. No. : PC-43388
CAS No. : 761437-28-9
Molecular Formula : C₂₃H₂₅ClN₆O₃
Molecular Weight : 468.936
Target : Focal Adhesion Kinase (FAK)
Solubility : 10 mM in DMSO



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

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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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