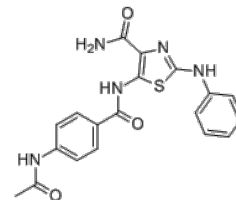


Product Name : TNIK inhibitor X
Cat. No. : PC-36010
CAS No. : 933886-36-3
Molecular Formula : C₁₉H₁₇N₅O₃S
Molecular Weight : 395.437
Target : TNIK
Solubility : 10 mM in DMSO



Biological Activity

TNIK inhibitor X is a potent inhibitor of Traf2- and Nck-interacting kinase (TNIK) (in vitro enzyme IC₅₀=9 nM) with a reasonable selectivity over 30-folds against the majority of a panel of 50 kinases profiled.

TNIK inhibitor X inhibits cell viability of PAMC82 and T47D cells harboring TNIK amplification with IC₅₀ of 1.77 and 0.385 uM, respectively.

TNIK inhibitor X shows no inhibitory activity against TNIK-non-amplified AZ-521 cells (IC₅₀>30 uM).

TNIK inhibitor X suppresses pAKT and induction of LC3 in TNIK-amplified PAMC82 cells, shows minimal effects on either Wnt signaling-mediated transcription.

References

Yu DH, et al. *Oncogenesis*. 2014 Feb 24;2:e89.

Yamada T, et al. TNIK inhibitor and the use. W02010/064111A1.

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

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