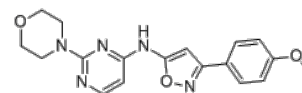


Product Name : BO-264
Cat. No. : PC-38168
CAS No. : 2408648-20-2
Molecular Formula : C₁₈H₁₉N₅O₃
Molecular Weight : 353.382
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

BO-264 (BO264) is a highly potent inhibitor of transforming acidic coiled-coil (TACC) family member **TACC3** (IC₅₀=188 nM).

The interaction between TACC3 and BO-264 with a dissociation constant, K_D of 1.5 nM.

BO-264 inhibits the viability of cancer cells with FGFR3–TACC3 fusion and shows very potent cytotoxicity in NCI-60 cancer cell line panel.

TACC3 inhibition with BO-264 induces mitotic arrest, apoptosis, and DNA damage, causes aberrant spindle formation, and reduces centrosomal localization of TACC3.

BO-264 significantly impairs tumor growth and improves survival in in vivo xenograft and syngeneic models without major toxicity.

References

Ozge Akbulut, et al. *Mol Cancer Ther.* 2020 Jun;19(6):1243-1254.

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

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