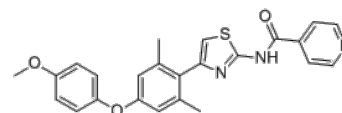


Product Name : TAI-1
Cat. No. : PC-61481
CAS No. : 1334921-03-7
Molecular Formula : C₂₄H₂₁N₃O₃S
Molecular Weight : 431.51
Target : Hec1/Nek2
Solubility : 10 mM in DMSO



Biological Activity

TAI-1 is a potent, small molecule Hec1 inhibitor that disrupts **Hec1-Nek2** protein interaction wide anti-cancer spectrum (GI₅₀=13.48 nM K562 cells).

TAI-1 displays 1,000 times improvement in potency compared to INH1, shows nM levels for the majority of the NCI-60 panel.

TAI-1 targets the Hec1-Nek2 pathway, induces chromosomal misalignment and apoptosis, effectively inhibits tumor growth in multiple cancer xenograft models.

References

Huang LY, et al. *J Exp Clin Cancer Res.* 2014 Jan 9;33:6.

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

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