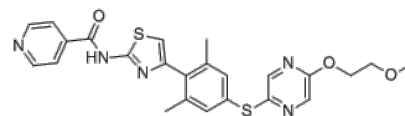


**Product Name** : TAI-95  
**Cat. No.** : PC-61482  
**CAS No.** : 1438638-83-5  
**Molecular Formula** : C<sub>24</sub>H<sub>23</sub>N<sub>5</sub>O<sub>3</sub>S<sub>2</sub>  
**Molecular Weight** : 493.6  
**Target** : Hec1/Nek2  
**Solubility** : 10 mM in DMSO



## Biological Activity

TAI-95 (T-1101, TAI 95) is a potent, orally bioavailable **Hec1** inhibitor that disrupts **Hec1-Nek2** protein interaction wide anti-cancer spectrum (GI<sub>50</sub>=14.29-73.65 nM, breast cancer cell lines).

TAI-95 (T-1101) demonstrates strong inhibition of in vivo tumor growth of breast cancer models without inducing weight loss or other obvious toxicity.

TAI-95 (T-1101) induces apoptotic cell death, shows activity on MDR cell lines and leads to downregulation of the expression of P-glycoprotein (Pgp).

TAI-95 (T-1101) also increases the potency of cytotoxic Pgp substrates, including doxorubicin and topotecan.

## References

Huang LY, et al. *Mol Cancer Ther.* 2014 Jun;13(6):1419-30.

Huang LY, et al. *Cancer Chemother Pharmacol.* 2014 Sep;74(3):511-20.

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

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