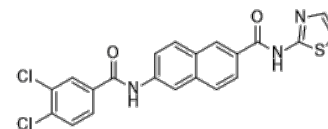


**Product Name** : AAPK-25  
**Cat. No.** : PC-24004  
**CAS No.** : 2247919-28-2  
**Molecular Formula** : C<sub>21</sub>H<sub>13</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>2</sub>S  
**Molecular Weight** : 442.31  
**Target** : Aurora Kinase  
**Solubility** : 10 mM in DMSO



## Biological Activity

AAPK-25 is a small molecule inhibitor of DLGAP5 with a binding energy of -9.2 Kcal/mol, suppresses proliferation of PRAD cells via inhibiting DLGAP5/E2F1 axis, also is a potent, dual Aurora/PLK coinhibitor.

AAPK-25 effectively inhibited the proliferation of PC3 and DU145 cells with IC<sub>50</sub> of 467 nM and 356 nM respectively. 40 nM AAPK-25 significantly hindered the colony formation ability of LNCaP and C4-2 cells, downregulated DLGAP5, E2F1, and ENO2.

AAPK-25 (25 mg/kg) suppresses tumor growth and DLGAP5/E2F1 pathway in murine PRAD xenograft model using BALB/c nude mice bearing PC3 cells.

## References

Liang L, et al. Life Sci. 2025 Feb 7:123442.

Qi B, et al. J Med Chem. 2019 Sep 12;62(17):7697-7707.

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

E-mail: tech@probechem.com