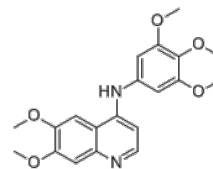


**Product Name** : GAK inhibitor 49  
**Cat. No.** : PC-35412  
**CAS No.** : 319492-82-5  
**Molecular Formula** : C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>O<sub>5</sub>  
**Molecular Weight** : 370.405  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

GAK inhibitor 49 is a potent, selective, ATP-competitive inhibitor of **cyclin G-associated kinase** (GAK, cell IC<sub>50</sub>=56 nM) with favourable NAK family selectivity (AAK1, STK16, BMP2K).

GAK inhibitor 49 shows binding to only GAK and RIPK2 in an unbiased MIB/MS experiment in cell lysate.

## References

Asquith CRM, et al. *ChemMedChem*. 2018 Jan 8;13(1):48-66.

Pu SY, et al. *J Med Chem*. 2018 Jul 16. doi: 10.1021/acs.jmedchem.8b00613.

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

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