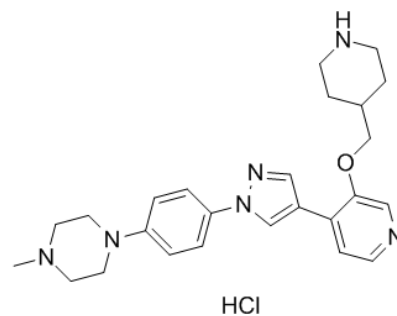


**Product Name** : NVP-MELK8a hydrochloride  
**Cat. No.** : PC-42114  
**CAS No.** :  
**Molecular Formula** : C<sub>25</sub>H<sub>33</sub>ClN<sub>6</sub>O  
**Molecular Weight** : 469.02212  
**Target** : MELK  
**Solubility** :



## Biological Activity

A novel potent, and selective MELK inhibitor with IC<sub>50</sub> of 2 nM; exhibits high selectivity with only 7 off-target kinases inhibited >85% against 456 kinases at 1 uM, Flt3 (IC<sub>50</sub>=0.18 uM), Haspin (IC<sub>50</sub>=0.19 uM), PDGFR $\alpha$  (IC<sub>50</sub>=0.42 uM); exhibits growth inhibition of MDA-MD-468 cells with IC<sub>50</sub> of 0.11 uM, and increases cells harboring 4N DNA content.

## References

Touré BB, et al. J Med Chem. 2016 May 26;59(10):4711-23.

Huang HT, et al. Elife. 2017 Sep 19;6. pii: e26693.

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

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