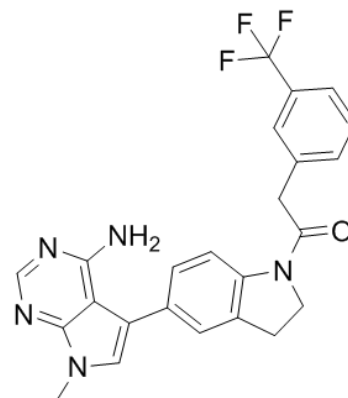


**Product Name** : GSK-2606414  
**Cat. No.** : PC-45410  
**CAS No.** : 1337531-36-8  
**Molecular Formula** : C<sub>24</sub>H<sub>20</sub>F<sub>3</sub>N<sub>5</sub>O  
**Molecular Weight** : 451.4437  
**Target** : PERK  
**Solubility** : DMSO: ≥ 31 mg/mL



## Biological Activity

An orally available, potent, and selective PERK inhibitor with IC<sub>50</sub> of 0.4 nM; inhibits PERK activation in cells and inhibits the growth of human tumor xenograft in mice; reduces p-eIF2 $\alpha$  levels and enhanced novel taste learning and conditioned taste aversion, but not memory retrieval in rats.

## References

- Axten JM, et al. J Med Chem. 2012 Aug 23;55(16):7193-207.  
Ounallah-Saad H, et al. J Neurosci. 2014 Oct 29;34(44):14624-32.  
Guthrie LN, et al. J Biol Chem. 2016 Jul 22;291(30):15830-40.

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

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