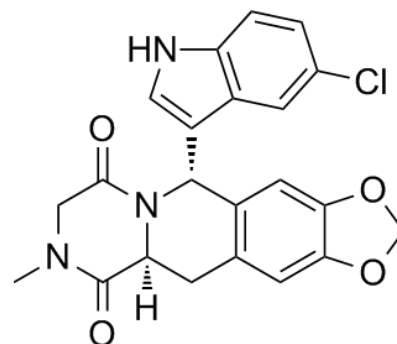


**Product Name** : ISA-2011B  
**Cat. No.** : PC-45095  
**CAS No.** : 1395347-24-6  
**Molecular Formula** : C<sub>22</sub>H<sub>18</sub>ClN<sub>3</sub>O<sub>4</sub>  
**Molecular Weight** : 423.849  
**Target** : Other Targets  
**Solubility** : DMSO: ≥ 57 mg/mL



### Biological Activity

ISA-2011B (ISA2011B, ISA 2011B) is a potent, selective inhibitor of Phosphatidylinositol-4-phosphate 5-kinase- $\alpha$  (**PIP5K $\alpha$** ). ISA-2011B exhibits the highest binding affinity to PIP5K1 $\alpha$ , and to MARK1 and MARK4 as well. ISA-2011B targets PIP5K1 $\alpha$ -associated PI3K/AKT and the downstream survival, proliferation, and invasion pathways. ISA-2011B significantly inhibits growth of tumor cells in xenograft mice.

### References

Semenas J, et al. *Proc Natl Acad Sci U S A*. 2014 Sep 2;111(35):E3689-98.  
Kunkl M, et al. *Front Immunol*. 2017 Apr 26;8:502.

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

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