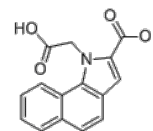


**Product Name** : FPPS-IN-11  
**Cat. No.** : PC-38605  
**CAS No.** : 1250273-31-4  
**Molecular Formula** : C<sub>15</sub>H<sub>11</sub>NO<sub>4</sub>  
**Molecular Weight** : 269.256  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

FPPS-IN-11 is a potent, allosteric, non-bisphosphonate **farnesyl pyrophosphate synthase (FPPS)** inhibitor with IC<sub>50</sub> of 200 nM.

FPPS-IN-11 displayed similar potencies in biochemical assays to the most potent bisphosphonate, zoledronic acid (IC<sub>50</sub>=130 nM), and similar to or higher than those of all other bisphosphonates used clinically, such as risedronate, ibandronate, alendronate and pamidronate (IC<sub>50</sub> = 150 nM, 340 nM, 850 nM, 950 nM, respectively).

### References

Wolfgang Jahnke, et al. *Nat Chem Biol.* 2010 Sep;6(9):660-6.

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

E-mail: tech@probechem.com