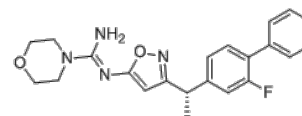


**Product Name** : SMP-114  
**Cat. No.** : PC-21505  
**CAS No.** : 215174-50-8  
**Molecular Formula** : C<sub>22</sub>H<sub>23</sub>FN<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 394.45  
**Target** : CaMK  
**Solubility** : 10 mM in DMSO



CAS: 215174-50-8

## Biological Activity

SMP-114 (Rimacalib) is a potent, specific and orally available **CaMKII** inhibitor with potential for treatment of rheumatoid arthritis.

SMP-114 significantly reduces SR Ca<sup>2+</sup> leak in human atrial and failing left ventricular as well as in murine ventricular cardiomyocytes.

SMP-114 demonstrates potential to treat SR Ca<sup>2+</sup> leak and consequently proarrhythmogenic events in rodent as well as in human atrial cardiomyocytes and cardiomyocytes from patients with heart failure.

## References

Westra J, et al. *Ann N Y Acad Sci*. 2009 Sep;1173:706-11.

Neef S, et al. *Basic Res Cardiol*. 2017 Jul;112(4):45.

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

E-mail: tech@probechem.com