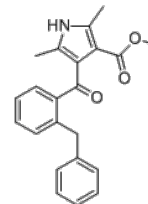


**Product Name** : FPL64176  
**Cat. No.** : PC-35298  
**CAS No.** : 120934-96-5  
**Molecular Formula** : C<sub>22</sub>H<sub>21</sub>NO<sub>3</sub>  
**Molecular Weight** : 347.414  
**Target** : Calcium Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

FPL64176 (ARC-64176) is a potent **L-type Ca<sup>2+</sup> channel** activator with EC<sub>50</sub> of 16 nM.

FPL64176 prolongs action potential duration and enhances contractility in guinea pig papillary muscle, induces contractile response with EC<sub>50</sub> of 0.2 μM.

FPL64176 produces biexponential tail current decays at -50 mV with fast and slow time constants of 4.30 +/- 0.30 and 44.52 +/- 4.56 msec, respectively.

FPL64176 produces large increases in cardiac contractile force and diastolic blood pressure in anesthetized dogs (100 mg/kg, i.v.).

## References

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Rampe D, et al. *J Pharmacol Exp Ther.* 1993 Jun;265(3):1125-30.

Zheng W, et al. *Mol Pharmacol.* 1991 Nov;40(5):734-41.

Liu L, et al. *Neuropharmacology.* 2003 Aug;45(2):281-92.

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

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