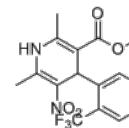


**Product Name** : Bay K-8644  
**Cat. No.** : PC-62070  
**CAS No.** : 71145-03-4  
**Molecular Formula** : C<sub>16</sub>H<sub>15</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub>  
**Molecular Weight** : 356.3  
**Target** : Calcium Channel  
**Solubility** : 10 mM in DMSO



## Biological Activity

Bay K-8644 is a potent **L-type calcium channels** (LTCCs) activator with EC<sub>50</sub> of 17.3 nM, has positive inotropic, vasoconstrictive and behavioral effects in vivo.

Bay K-8644 enables reprogramming of Oct4/Klf4-transduced mouse embryonic fibroblasts (MEFs) to induce pluripotent stem cells (iPSCs) combination with BIX-01294.

## References

Wang W, et al. *Proc Natl Acad Sci U S A*. 2009 Feb 3;106(5):1427-32.

Greenberg DA, et al. *Brain Res*. 1984 Jul 9;305(2):365-8.

Bourson A, et al. *Eur J Pharmacol*. 1989 Feb 7;160(3):339-47.

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

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