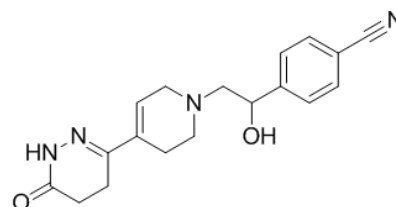


Product Name : SCH-00013
Cat. No. : PC-42235
CAS No. : 217963-18-3
Molecular Formula : C₁₈H₂₀N₄O₂
Molecular Weight : 324.377
Target : Phosphodiesterase (PDE)
Solubility : DMSO
4. Arimura T, et al. J Am Coll Cardiol. 2010 Apr 6;55(14):1503-5.



Biological Activity

A novel cardiotonic agent that acts as a calcium sensitizer with no chronotropic activity in mammalian cardiac muscle, elicits positive inotropic effect in dog and rabbit ventricular muscles (EC₅₀=9.2 μM); also weakly inhibits PDE3 with IC₅₀ of 64.9 μM; improved left ventricular dysfunction and survival prognosis of dilated cardiomyopathy in a mouse model; orally bioavailable.

Heart Failure
Preclinical

References

- Sugawara H, et al. J Pharmacol Exp Ther. 1998 Oct;287(1):214-22.
Hino M, et al. Arzneimittelforschung. 1999 May;49(5):398-406.
Yoshimura A, et al. Arzneimittelforschung. 1999 May;49(5):407-11.

