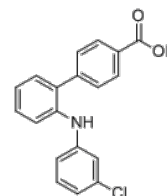


Product Name : RPI-194
Cat. No. : PC-47074
CAS No. :
Molecular Formula : C₁₉H₁₄ClNO₂
Molecular Weight : 323.776
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

RPI-194 is a novel troponin activator that binds to cardiac/slow skeletal muscle **troponin**, binds to cardiac troponin with KD of 24 uM, stabilizing the activated complex between troponin C and the switch region of troponin I.

RPI-194 shows no effect on the ATPase activity of purified actin-myosin.

RPI-194 markedly decreased the velocity and amplitude of contractions in isolated unloaded mouse cardiomyocytes.

RPI-194 acts as a calcium sensitizer in all striated muscle types.

References

Zabed Mahmud, et al. *Front Physiol.* 2022 Jun 8;13:892979.

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

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