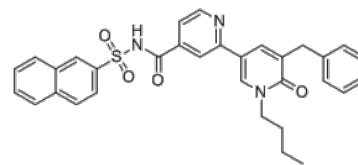


Product Name : SERCA2a activator A
Cat. No. : PC-61779
CAS No. : 2139330-34-8
Molecular Formula : C₃₂H₂₉N₃O₄S
Molecular Weight : 551.661
Target : Calcium Channel
Solubility : 10 mM in DMSO



Biological Activity

SERCA2a activator A is a novel sarco/endoplasmic reticulum Ca²⁺-dependent ATPase 2a (**SERCA2a**) activator that activates the Ca²⁺-dependent ATPase activity of cardiac SR vesicles but not that of skeletal muscle SR vesicles that lack of phospholamban (PLN).

SERCA2a activator A binds to PLN (K_d=75 μM), attenuates its inhibition of SERCA2a; enhances systolic and diastolic functions in rat hearts.

References

Kaneko M, et al. *Eur J Pharmacol.* 2017 Nov 5;814:1-8.

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

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