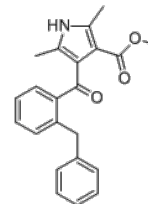


Product Name : CDN1163
Cat. No. : PC-35299
CAS No. : 892711-75-0
Molecular Formula : C₂₀H₂₀N₂O₂
Molecular Weight : 320.392
Target : Calcium Channel
Solubility : 10 mM in DMSO



Biological Activity

CDN1163 (CDN-1163) is a small molecule, allosteric activator of **SERCA2**, dose-dependently increases the V_{max} of SERCA2 Ca²⁺-ATPase activity in ER microsomes.

CDN1163 increases Ca²⁺-ATPase activity and significantly enhances Ca²⁺ uptake into the ER, attenuates H₂O₂-stimulated cell death in HEK cells.

CDN1163 improves glucose homeostasis and metabolic parameters, increases glucose tolerance in ob/ob mice.

CDN1163 reduces lipid accumulation and decreases lipogenesis in obese mice livers.

References

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Dahl R. *Bioorg Med Chem*. 2017 Jan 1;25(1):53-57.

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

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