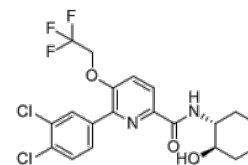


Product Name : OSBPL7 inhibitor Cpd A
Cat. No. : PC-72588
CAS No. : 1637533-03-9
Molecular Formula : C₂₀H₁₉Cl₂F₃N₂O₃
Molecular Weight : 463.278
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

OSBPL7 inhibitor Cpd A (Cpd A, OSBPL7-IN-1) is a small molecule inducer of **ABCA1**-mediated cholesterol efflux that targets Oxysterol Binding Protein Like 7 (**OSBPL7**).

Cpd A displays little to no binding affinity to the CB1R (K_i > 10 μM).

Cpd A increases plasma membrane ABCA1 in cultured human podocytes, and significantly increases ABCA1-dependent cholesterol efflux at 10 μM.

Cpd A significantly increased apoAI-mediated cholesterol efflux at 10 μM.

Cpd A protects from kidney injury in a mouse model of adriamycin-induced nephropathy.

References

Matthew B Wright, et al. *Nat Commun.* 2021 Aug 2;12(1):4662.

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

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