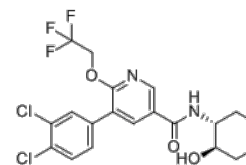


Product Name : ABCA1 inducer Cpd G
Cat. No. : PC-72587
CAS No. : 1269826-44-9
Molecular Formula : C₂₀H₁₉Cl₂F₃N₂O₃
Molecular Weight : 463.278
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

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

Cpd G displays little to no binding affinity to the CB1R (K_i>1 uM).

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

Cpd G significantly increased apoAI-mediated cholesterol efflux at 10 uM.

Cpd G (100 mg/Kg) protects from kidney injury in a mouse model of adriamycin-induced nephropathy.

Cpd G protects from renal injury in the mouse model of Alport syndrome.

Cpd G reduced accumulation of cholesterol esters in renal cortex in both disease models.

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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