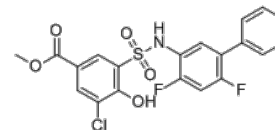


Product Name : NDI-091143
Cat. No. : PC-36165
CAS No. : 2375840-87-0
Molecular Formula : C₂₀H₁₄ClF₂NO₅S
Molecular Weight : 453.841
Target : ATP Citrate Lyase (ACL, ACLY)
Solubility : 10 mM in DMSO



Biological Activity

NDI-091143 (NDI091143) is a potent, small-molecule inhibitor of human **ATP-citrate lyase** (ACLY, ACL) with K_i of 7.0 nM and IC₅₀ of 2.1 nM in the ADP-Glo assays.

NDI-091143 is located in an allosteric, mostly hydrophobic cavity next to the citrate-binding site, and requires extensive conformational changes in the enzyme that indirectly disrupt citrate binding.

References

Wei J, et al. **Nature**. 2019 Apr 3. doi: 10.1038/s41586-019-1094-6.

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

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