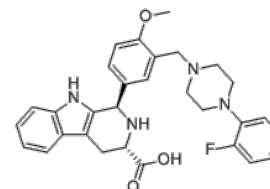


Product Name : trans Ned 19
Cat. No. : PC-62184
CAS No. : 1354235-96-3
Molecular Formula : C₃₀H₃₁FN₄O₃
Molecular Weight : 514.601
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

trans Ned 19 is a cell-permeant chemical probe for the Ca²⁺-releasing second messenger **NAADP**, blocks NAADP signaling (IC₅₀=6 nM, inhibition of Ca²⁺ release).

trans Ned 19 blocks NAADP signaling and fluorescently labeled NAADP receptors in intact cells.

trans Ned-19 antagonizes NAADP-activation of TPC2 in a non-competitive manner at 1 μM.

References

Naylor E, et al. *Nat Chem Biol*. 2009 Apr;5(4):220-6.

Ali RA, et al. *J Biol Chem*. 2016 Feb 26;291(9):4503-22.

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

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