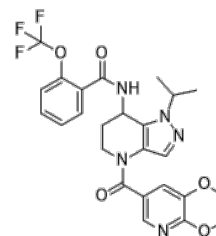


Product Name : ALT-007
Cat. No. : PC-23850
CAS No. : 2035010-37-6
Molecular Formula : C₂₅H₂₆F₃N₅O₅
Molecular Weight : 533.51
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 2035010-37-6

Biological Activity

ALT-007 is a potent, selective and orally bioavailable inhibitor of **serine palmitoyltransferase** (SPT) with enzyme IC₅₀ of 0.54 nM.

ALT-007 potently inhibited both SPT enzyme (IC₅₀ = 1.2 nM) and HCC4006 cell growth (IP = 3.9 nM).

ALT-007 displayed potent growth inhibitory activity against both HCC4006 and PL-21 cells on the same level with Myriocin.

ALT-007 is an orally bioavailable SPT inhibitor with in vivo antitumor efficacy, which provides a useful tool for assessing the pharmaceutical potential of SPT inhibitors especially against cancer.

References

Poisson J, et al. *ACS Pharmacol Transl Sci*. 2024 Dec 29;8(1):203-215.

Kojima T, et al. *Bioorg Med Chem*. 2018 May 15;26(9):2452-2465.

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

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