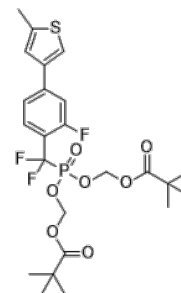


Product Name : Pomstafori-1
Cat. No. : PC-24235
CAS No. :
Molecular Formula : C₂₄H₃₀F₃O₇PS
Molecular Weight : 550.53
Target : STAT
Solubility : 10 mM in DMSO



Biological Activity

Pomstafori-1 is the cell-permeable prodrug of Stafori-1, inhibits **STAT4** Tyr693 phosphorylation in NK-92 cell with IC₅₀ of 3.3 μ M, selectively inhibits STAT4 activation and IFN- γ induction in cultured human cells.
 Pomstafori-1(25 μ M) inhibits IL-12/IL-18-mediated STAT4 phosphorylation and IFN- γ induction in NK-92 cells
 Pomstafori-1 weakly inhibits phosphorylation of STAT3 in HCC-827 cells (IC₅₀ = 19 μ M), and STAT5a/5b-phosphorylation in K562 cells to a lesser extent still (IC₅₀ > 25 μ M).

References

Brovchenko N, et al. *Angew Chem Int Ed Engl*. 2025 Mar 11:e202504420.

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

E-mail: tech@probechem.com