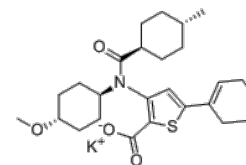


Product Name : SOFTI
Cat. No. : PC-21054
CAS No. : 1200133-34-1
Molecular Formula : C₂₆H₃₆KNO₄S
Molecular Weight : 497.74
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 1200133-34-1

1. Aizezi Y, et al. *Plant Cell*. 2023 Dec
20:koad299.

Biological Activity

SOFTI is a small molecule inhibitor of O-fucosyltransferase **SPINDLY** (SPY) with IC₅₀ of 13.32 uM, binds to the GDP-fucose-binding pocket of SPY and competitively inhibits GDP-fucose binding.

SPY O-fucosyltransferase inhibitor (SOFTI) is a specific small molecule inhibitor of SPINDLY O-fucosyltransferase with KD of 37 uM in BLI assays.

SOFTI displays concentration-dependent inhibition of the self-fucosylation of recombinant 3TPR-SPY proteins with IC₅₀ of 13.32 uM.

SOFTI has little effect on the O-fucosyltransferases in the endoplasmic reticulum.

References

