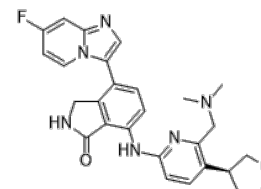


Product Name : NDI-101150
Cat. No. : PC-23370
CAS No. : 2628486-22-4
Molecular Formula : C₂₇H₂₇FN₆O₂
Molecular Weight : 486.55
Target : MAP4K
Solubility : 10 mM in DMSO



CAS: 2628486-22-4

Biological Activity

NDI-101150 is a potent and highly selective hematopoietic progenitor kinase 1 (**HPK1**, MAP4K1) inhibitor with biochemicals IC₅₀ of 0.7 nM and cellular IC₅₀ of 41 nM.

NDI-101150 displays >400-fold selectivity over closely related MAP4K family members.

NDI-101150 could overcome the immunosuppressive effects of prostaglandin E₂, adenosine, and TGF-β on human T cell activation, also directly limits the suppressive capacity of T regulatory cells.

NDI-101150 significantly enhanced the production of antigen-specific antibodies in response to immunization with both T-dependent and T-independent antigens, while anti-PD1 treatment had minimal to no effects on antibody production.

NDI-101150 or anti-PD1 treatments alone induced tumor growth inhibition in the murine CT-26 syngeneic tumor model, NDI-101150 and anti-PD1 in combination mediated complete tumor regressions in several mice.

References

David Ciccone, et al. *Cancer Res* (2024) 84 (6_Supplement): 2652.

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

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