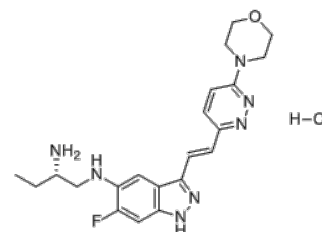


Product Name : YE6144
Cat. No. : PC-72048
CAS No. : 3065657-02-2
Molecular Formula : C₂₁H₂₇ClFN₇O
Molecular Weight : 447.943
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

YE6144 (YE 6144) is a specific small molecule inhibitor of transcription factor **IFN regulatory factor 5 (IRF5)**, selectively suppresses IRF5 activity through inhibition of IRF5 phosphorylation.

YE6144 inhibited the phosphorylation of IRF5 in both human PBMCs and mouse splenocytes, decreased the production of type I IFNs (IFN-β and IFN-α) in human PBMCs stimulated with R-848 with IC₅₀ of 0.09 μM.

YE6144 administration maintains the remission and alleviated the disease course in the NZB/W F1 mouse model of autoimmune disease systemic lupus erythematosus (SLE).

References

Tatsuma Ban, et al. *Nat Commun.* 2021 Jul 19;12(1):4379.

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

E-mail: tech@probechem.com