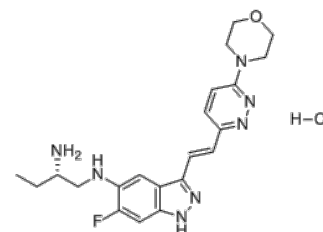


**Product Name** : YE6144  
**Cat. No.** : PC-72048  
**CAS No.** :  
**Molecular Formula** : C<sub>21</sub>H<sub>27</sub>ClFN<sub>7</sub>O  
**Molecular Weight** : 447.943  
**Target** : Other Targets  
**Solubility** :



## 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- $\beta$  and IFN- $\alpha$ ) in human PBMCs stimulated with R-848 with IC<sub>50</sub> of 0.09  $\mu$ M.

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!**

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