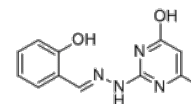


**Product Name** : SKLB325  
**Cat. No.** : PC-72265  
**CAS No.** : 1612138-91-6  
**Molecular Formula** : C<sub>12</sub>H<sub>12</sub>N<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 244.254  
**Target** : Histone Demethylase  
**Solubility** : 10 mM in DMSO



## Biological Activity

SKLB325 (SKLB 325) is a potential inhibitor for **JMJD6** with K<sub>d</sub> of 0.755 μM by SPR assays, biochemical IC<sub>50</sub> of 0.78 μM. SKLB325 suppresses proliferation, induces apoptosis in ovarian cancer cells, inhibits angiogenesis in HUVECs, and inhibits migration in ovarian cancer cells and HUVECs in vitro.

SKLB325 upregulates the expression of p53 and its downstream effectors at both the mRNA and protein levels in vitro. SKLB325 exhibits strong therapeutic effects on intraperitoneal dissemination xenograft mouse models, upregulates the expression of p53 as well as its downstream effectors at the protein level in vivo.

## References

Zheng H, et al. *Signal Transduct Target Ther*. 2019 Jul 26;4:24.

Zhang C, et al. *Clin Transl Med*. 2021 Feb;11(2):e328.

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

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