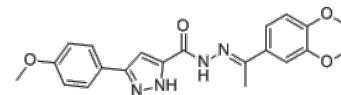


**Product Name** : SKI-178  
**Cat. No.** : PC-61768  
**CAS No.** : 1259484-97-3  
**Molecular Formula** : C<sub>21</sub>H<sub>22</sub>N<sub>4</sub>O<sub>4</sub>  
**Molecular Weight** : 394.42  
**Target** : Sphingosine kinase (SphK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

SKI-178 is a potent, specific, non-lipid **SphK1** inhibitor with  $K_i$  of 1.33  $\mu$ M, displays no significant activity for SphK2 ( $IC_{50} > 25 \mu$ M).

SKI-178 induces apoptosis in human AML cell lines in a CDK1-dependent manner and is not a substrate for MDR1. SKI-178 shows effectivity in mouse models of AML.

## References

Hengst JA, et al. *Bioorg Med Chem Lett*. 2010 Dec 15;20(24):7498-502.

Dick TE, et al. *J Pharmacol Exp Ther*. 2015 Mar;352(3):494-508.

Hengst JA, et al. *Cancer Transl Med*. 2017 Jul-Aug;3(4):109-121.

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

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