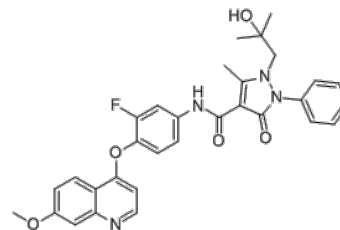


**Product Name** : SYN1143  
**Cat. No.** : PC-49518  
**CAS No.** : 913376-84-8  
**Molecular Formula** : C<sub>31</sub>H<sub>29</sub>FN<sub>4</sub>O<sub>5</sub>  
**Molecular Weight** : 556.594  
**Target** : c-Met (HGFR)  
**Solubility** : 10 mM in DMSO



### Biological Activity

SYN1143 (AMG-1) is a potent specific small molecule inhibitor of **c-Met** kinase and **RON** with IC<sub>50</sub> of 4 and 9 nM, inhibits c-Met signaling and cell proliferation in vitro.

SYN1143 significantly increases ALP activity at concentration 1 uM in MC3T3-E1 cells.

SYN1143 increases Runx2 via pathway independent of Erk-Smad.

SYN1143 (20, 50 µg) stimulates bone formation in critical-sized defects of mouse calvarial bone in a critical-sized calvarial defect of mouse.

### References

Zhang Y, et al. **Cancer Res.** 2008 Aug 15;68(16):6680-7.

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

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