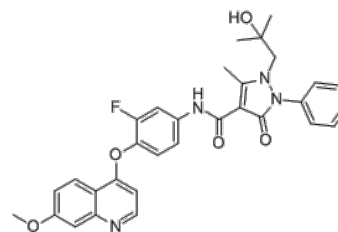


Product Name : SYN1143
Cat. No. : PC-49518
CAS No. : 913376-84-8
Molecular Formula : C₃₁H₂₉FN₄O₅
Molecular Weight : 556.594
Target : c-Met (HGFR)
Solubility : 10 mM in DMSO



Biological Activity

SYN1143 (AMG-1) is a potent specific small molecule inhibitor of **c-Met** kinase and **RON** with IC₅₀ 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!

E-mail: tech@probechem.com