Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

# AMG-208

## Catalog No: tcsc0185

### Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg

### Specifications

**CAS No:**
1002304-34-8

**Formula:**
$C_{22}H_{17}N_5O_2$

**Pathway:**
Protein Tyrosine Kinase/RTK

**Target:**
c-Met/HGFR

**Purity / Grade:**
>98%

**Solubility:**
DMSO : 7.8 mg/mL (20.34 mM; Need ultrasonic and warming)

**Observed Molecular Weight:**
383.4

## Product Description

AMG-208 is a potent small molecular c-Met inhibitor with an IC50 of 9.3 nM.

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IC50 value: 9.3 nM

Target: c-Met

in vitro: AMG-208 shows the potent inhibition of kinase c-Met activity with IC50 of 9 nM in a cell-free assay. Besides, AMG-208 treatment also leads to the inhibition of HGF-mediated c-Met phosphorylation in PC3 cells with IC50 of 46 nM [1]. Pre-incubation of AMG-208 with human liver microsomes for 30 minutes shows a potent time-dependent inhibition for CYP3A4 metabolic activity with IC50 of 4.1 μM, which is an eightfold decrease relative to the IC50 (32 μM) without preincubation [2]. AMG-208 is identified to be a c-MET and RON dual selective inhibitor [3].

in vivo: In male Sprague Dawley rats, AMG-208 (0.5 mg/kg i.v.) shows a high bioavailability with Cl of 0.37 L/h/kg, Vss of 0.38 L/kg and T1/2 of 1 hour[1].