产品名称：**AMG-337**
产品别名：**AMG-337**

生物活性：

Description

AMG-337 is a potent and highly selective small molecule ATP-competitive MET kinase inhibitor. AMG 337 inhibits MET kinase activity with an IC50 of < 5nM in enzymatic assays. IC50 value: < 5nM [1] Target: MET in vitro: AMG-337 demonstrates exquisite selectivity for MET when profiled against a diverse panel of over 400 protein and lipid kinases in a competitive binding assay. In cellular assays, AMG 337 inhibits HGF-dependent MET phosphorylation with an IC50 of < 10 nM. [1] AMG 337 is a selective inhibitor of Met, which inhibits multiple mechanisms of Met activation. [2] in vivo: AMG-337 demonstrates robust activity in MET-dependent cancer models. Oral administration of AMG 337 results in robust dose-dependent anti-tumor efficacy in MET amplified gastric cancer xenograft models, with inhibition of tumor growth consistent with the pharmacodynamic modulation of MET signaling.[1]

Solvent&Solubility

In Vitro:

DMSO : ≥ 30 mg/mL (64.73 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.1577 mL	10.7884 mL	21.5768 mL
5 mM	0.4315 mL	2.1577 mL	4.3154 mL
10 mM	0.2158 mL	1.0788 mL	2.1577 mL

*请根据产品在不同溶剂中的溶解度选择合适的溶剂配制储备液；一旦配成溶液，请分装保存，避免反复冻融造成的产品失效。

储备液的保存方式和期限：-80°C, 6 months; -20°C, 1 month。 -80°C 储存时，请在 6 个月内使用，-20°C 储存时，请在 1 个月内使用。

References

[1]. Paul E. Hughes, et al. AMG 337, a novel, potent and selective MET kinase inhibitor, has robust growth inhibitory activity in MET-dependent cancer models. Cancer Res October 1, 2014 74; 728

[2]. Cecchi F, et al. Targeting the HGF/Met signaling pathway in cancer therapy. Expert Opin Ther Targets. 2012 Jun;16(6):553-572.

源叶生物