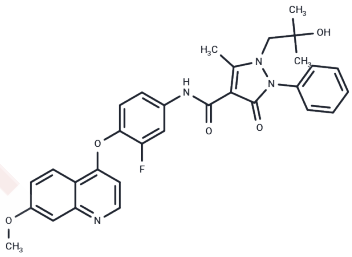
Data Sheet (Cat.No.T8409)

TargetMol

SYN1143

Chemical Properties



CAS No. : 913376-84-8

Formula: C31H29FN4O5

Molecular Weight: 556.58

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	SYN1143 (AMG-1) is a potent inhibitor of human RON and c-Met.In vitro kinase assays showed that compound I is a potent inhibitor of human RON and c-Met with IC50s of 9 and 4 nmol/L, respectively.
Targets(IC50)	c-Met/HGFR

Solubility Information

Solubility	DMSO: 90 mg/mL (161.7 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7967 mL	8.9834 mL	17.9669 mL
5 mM	0.3593 mL	1.7967 mL	3.5934 mL
10 mM	0.1797 mL	0.8983 mL	1.7967 mL
50 mM	0.0359 mL	0.1797 mL	0.3593 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zhang Y, et, al. Identification of a novel recepteur d'origine nantais/c-met small-molecule kinase inhibitor with antitumor activity in vivo. Cancer Res. 2008 Aug 15;68(16):6680-7.

Lipinski MJ, Lee RC, Gaglia MA Jr, Torguson R, Garcia-Garcia HM, Pichard AD, Satler LF, Waksman R. Comparison of heparin, bivalirudin, and different glycoprotein IIb/IIIa inhibitor regimens for anticoagulation during percutaneous coronary intervention: A network meta-analysis. Cardiovasc Revasc Med. 2016 Dec;17(8):535-545. doi: 10.1016/j.carrev.2016.09.011. Epub 2016 Sep 30. Review. PubMed PMID: 27842901.

Kim JW, et, al. Chemical inhibitors of c-Met receptor tyrosine kinase stimulate osteoblast differentiation and bone regeneration. Eur J Pharmacol. 2017 Jul 5;806:10-17.