Product Datasheet

BMS 605541

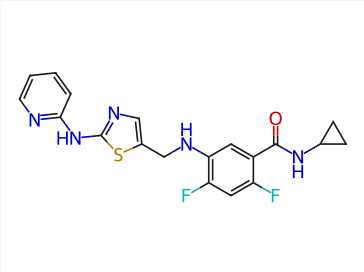
Catalog No. **BP-02208** · CAS **639858-32-5** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-09-07**

FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE.

Target	Research area
VEGFR; PDGFR	**Cancer**

Molecular formula	$C_{19}H_{17}F_2N_5OS$
Molecular weight	**401.4330**

STRUCTURE



DESCRIPTION

BMS-605541 is a selective and orally active inhibitor of VEGFR-2 kinase with an IC50 value of 23 nM and Ki value of 49 nM. BMS-605541 inhibits the activity of Flk-1, VEGFR-1 and PDGFR-β with IC50 values of 40 nM, 400 nM and 200 nM, respectively. BMS-605541 can be used for cancer research[1].

BIOLOGICAL ACTIVITY

In Vitro

BMS-605541 (Compound 14) inhibits the growth of HUVECs through VEGF with an IC50 value of 25 nM.

In Vivo

BMS-605541 (12.5-180 mg/kg; once a day or twice a day for 14 days) has anti-tumor activity in thymic mice subcutaneously implanted with L2987 and HCT-116 xenografts.

SOLUBILITY

soluble in DMSO

REFERENCES

[1]. Borzilleri RM, et al. Discovery and evaluation of N-cyclopropyl- 2,4-difluoro-5-((2-(pyridin-2-ylamino)thiazol-5-ylmethyl)amino)benzamide (BMS-605541), a selective and orally efficacious inhibitor of vascular endothelial growth factor receptor-2. J Med Chem. 2006 Jun 29;49(13):3766-9.