

Product Data Sheet

Product Name: AXL-IN-13

Cat. No.: GC73370

Chemical Properties

Cas. No. 2376928-82-2

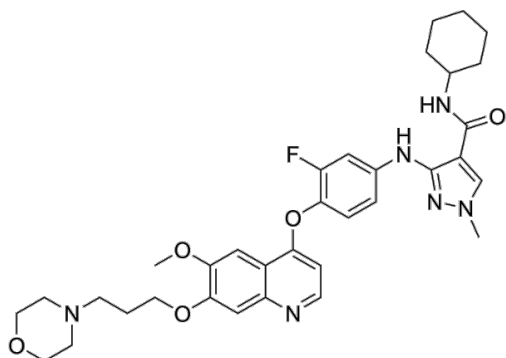
Formula $C_{34}H_{41}FN_6O_5$ M.Wt 632.72

Solubility DMSO : 100 mg/mL (158.05 mM; Storage -20°C
Need ultrasonic)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

AXL-IN-13 is a potent and orally active AXL inhibitor (IC₅₀: 1.6 nM, K_d: 0.26 nM). AXL-IN-13 reverses TGF-β1-induced epithelial-mesenchymal transition (EMT), and inhibits cancer cell migration

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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and invasion.

AXL-IN-13 (compound 6li) inhibits Ba/F3-TEL-AXL cell proliferation with an IC₅₀ of 4.7 nM (determined by ELISA)[1].AXL-IN-13 also shows binding affinities against CSF1R, FLT1/3/4, KLT, PDGFRB, TIE2[1].AXL-IN-13 (0-500 nM, 6 h) inhibits the phosphorylation of AXL in MDA-MB-231 and 4T1 cells[1].AXL-IN-13 (0-3 μM, 3 days) blocks EMT induced by TGF-β1 (10 ng/mL) in MDA-MB-231 cells[1].AXL-IN-13 (0-3 μM, 24 h) suppresses MDA-MB-231 cell migration and invasion induced by TGF-β1 (10 ng/mL)[1].

AXL-IN-13 (compound 6li) (50 or 100 mg/kg, p.o, 14 days) inhibits 4T1 tumor growth and metastasis[1].AXL-IN-13 (25 mg/kg, p.o.) displays reasonable PK profiles with an AUC of 8410.21 ng/mL•h, a T_{1/2} value of 4.22 h, and an oral bioavailability (F) of 14.4%[1].

References:

[1]. Chan S, et al. Discovery of 3-Aminopyrazole Derivatives as New Potent and Orally Bioavailable AXL Inhibitors. J Med Chem. 2022 Nov 24;65(22):15374-15390.

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