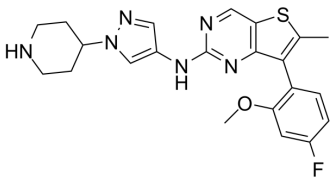
MAX-40279

Cat. No.:	HY-145723
CAS No.:	2070931-57-4
Molecular Formula:	$C_{22}H_{23}FN_6OS$
Molecular Weight:	438.52
Target:	FLT3; FGFR
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 25 mg/mL (57.01 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.2804 mL	11.4020 mL	22.8040 mL
5 mM	0.4561 mL	2.2804 mL	4.5608 mL
10 mM	0.2280 mL	1.1402 mL	2.2804 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (5.70 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

MAX-40279 is a dual and potent inhibitor of FLT3 kinase and FGFR kinase. MAX-40279 has the potential for the research of acute myelogenous leukemia (AML) (extracted from patent WO2021180032)[1].

IC_{50} & Target

FLT3 and FGFR[1]

REFERENCES

[1]. Yuguang Wang, et al. Novel Therapeutic Methods. Patent WO2021180032A1.

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

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