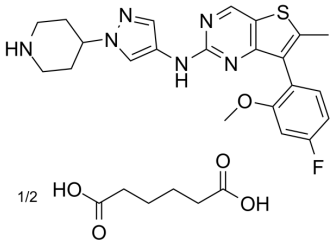
MAX-40279 hemiadipate

Cat. No.:	HY-145723C
CAS No.:	2388506-44-1
Molecular Formula:	$C_{22}H_{23}FN_6OS.{}_1/_2C_6H_{10}O_4$
Molecular Weight:	584.66
Target:	FLT3; FGFR
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (42.76 mM; ultrasonic and warming and heat to 60°C)
DMF : 10 mg/mL (17.10 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	1.7104 mL	8.5520 mL	17.1040 mL
5 mM	0.3421 mL	1.7104 mL	3.4208 mL
10 mM	0.1710 mL	0.8552 mL	1.7104 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: ≥ 2.08 mg/mL (3.56 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (3.56 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

MAX-40279 hemiadipate is a dual and potent inhibitor of FLT3 kinase and FGFR kinase. MAX-40279 hemiadipate 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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