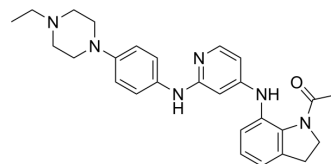


UCL-TRO-1938

Cat. No.:	HY-154848		
CAS No.:	2919575-27-0		
Molecular Formula:	C ₂₇ H ₃₂ N ₆ O		
Molecular Weight:	456.58		
Target:	PI3K		
Pathway:	PI3K/Akt/mTOR		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (109.51 mM; ultrasonic and warming and heat to 80°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1902 mL	10.9510 mL	21.9020 mL
	5 mM	0.4380 mL	2.1902 mL	4.3804 mL
	10 mM	0.2190 mL	1.0951 mL	2.1902 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (5.48 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (5.48 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (5.48 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

UCL-TRO-1938 is a potent allosteric activator of PI3Kα with an EC₅₀ value of approximately 60 μM. UCL-TRO-1938 can induce cell proliferation and has cardioprotective and neural regeneration effects^[1].

REFERENCES

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

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