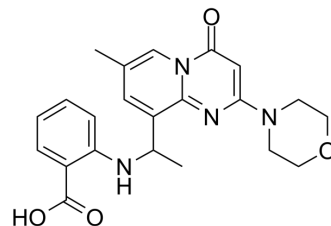


(Rac)-AZD 6482

Cat. No.:	HY-75124		
CAS No.:	663620-70-0		
Molecular Formula:	C ₂₂ H ₂₄ N ₄ O ₄		
Molecular Weight:	408.45		
Target:	PI3K; Autophagy		
Pathway:	PI3K/Akt/mTOR; Autophagy		
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 : 33.33 mg/mL (81.60 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.4483 mL	12.2414 mL	24.4828 mL
5 mM	0.4897 mL	2.4483 mL	4.8966 mL
10 mM	0.2448 mL	1.2241 mL	2.4483 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 (6.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (6.12 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(Rac)-AZD 6482 ((Rac)-KIN-193) is the racemate of AZD 6482. AZD 6482 is a potent and selective p110β inhibitor with an IC₅₀ of 0.69 nM.

CUSTOMER VALIDATION

- PLoS One. 2012;7(9):e45933.

REFERENCES

[1]. Ni J, et al. Functional characterization of an isoform-selective inhibitor of PI3K-p110 β as a potential anticancer agent. *Cancer Discov.* 2012 May;2(5):425-33.

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

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