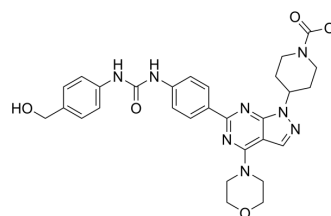


mTOR inhibitor WYE-28

Cat. No.:	HY-118717		
CAS No.:	1062172-60-4		
Molecular Formula:	C ₃₀ H ₃₄ N ₈ O ₅		
Molecular Weight:	586.64		
Target:	mTOR		
Pathway:	PI3K/Akt/mTOR		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

mTOR inhibitor WYE-28 (compound 28) is a selective inhibitor of mTOR α/β (IC_{50})=0.08 nM. mTOR inhibitor WYE-28 inhibits PI3K α with an IC_{50} value of 6 nM. mTOR inhibitor WYE-28 shows a metabolic time ($T_{1/2}$) in nude mouse microsomes of 13 min^[1].

REFERENCES

[1]. Zask A, et al. ATP-competitive inhibitors of the mammalian target of rapamycin: design and synthesis of highly potent and selective pyrazolopyrimidines. J Med Chem. 2009 Aug 27;52(16):5013-6.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA