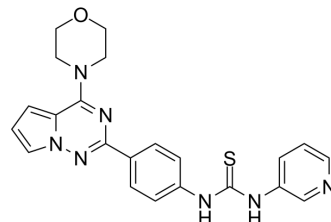


mTOR inhibitor-18

Cat. No.:	HY-160548
CAS No.:	2170358-67-3
Molecular Formula:	C ₂₂ H ₂₁ N ₇ OS
Molecular Weight:	431.51
Target:	mTOR
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	mTOR inhibitor-18 (Example 106) is a mTOR inhibitor. mTOR inhibitor-18 can be used for mTOR related research, such as cancer, immune disorders, cardiovascular disease, viral infection, inflammation, metabolism/endocrine function disorders and neurological disorders ^[1] .					
In Vivo	Rat PK properties of mTOR inhibitor-18 (Example 106) ^[1]					
	Dose (mg/kg)	C _{max} (µg/mL)	AUC _{0-t} (µg·h/mL)	t _{1/2} (h)	CL (L/h/kg)	F%
	IV (5 mg/kg)	21.2	41.455	1.416	0.122	
	PO (10 mg/kg)	9.987	73.44	3.258	0.247	89
	MCE has not independently confirmed the accuracy of these methods. They are for reference only.					

REFERENCES

[1]. Chuangxin GUO, et al. Mechanistic target of rapamycin signaling pathway inhibitors and therapeutic applications. WO2017219800. thereof.

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