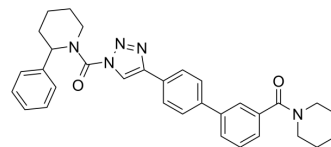


KT185

Cat. No.:	HY-114926		
CAS No.:	1472640-86-0		
Molecular Formula:	C ₃₂ H ₃₃ N ₅ O ₂		
Molecular Weight:	519.64		
Target:	MAGL		
Pathway:	Metabolic Enzyme/Protease		
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 : 30 mg/mL (57.73 mM; Need ultrasonic and warming)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.9244 mL	9.6220 mL	19.2441 mL
		5 mM	0.3849 mL	1.9244 mL	3.8488 mL
10 mM		0.1924 mL	0.9622 mL	1.9244 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.81 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	KT185 is an orally-bioavailable, brain-penetrant and selective ABHD6 inhibitor, with an IC ₅₀ 0.21 nM in Neuro2A cells ^[1] .
IC ₅₀ & Target	IC ₅₀ : ABHD6 (0.21 nM in Neuro2A cells) ^[1] .

REFERENCES

[1]. Hsu KL, et al. Discovery and optimization of piperidyl-1,2,3-triazole ureas as potent, selective, and in vivo-active inhibitors of α/β-hydrolase domain containing 6 (ABHD6). J Med Chem. 2013 Nov 14;56(21):8270-9.

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

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