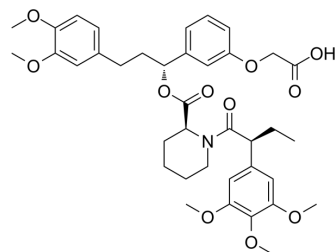


AP1867

Cat. No.:	HY-114434		
CAS No.:	195514-23-9		
Molecular Formula:	C ₃₈ H ₄₇ NO ₁₁		
Molecular Weight:	693.78		
Target:	FKBP		
Pathway:	Apoptosis; Autophagy; Immunology/Inflammation		
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 : 100 mg/mL (144.14 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	1.4414 mL	7.2069 mL	14.4138 mL
	5 mM	0.2883 mL	1.4414 mL	2.8828 mL
	10 mM	0.1441 mL	0.7207 mL	1.4414 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (3.00 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.00 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	AP1867 is a synthetic FKBP12 ^{F36V} -directed ligand ^[1] .
IC₅₀ & Target	FKBP ^[1]
In Vitro	AP1867 associates with wild-type FKBP (K _d = 67 nM) ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

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- bioRxiv. 2023 Jul 7.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Koide K, et al. A synthetic library of cell-permeable molecules. J Am Chem Soc. 2001 Jan 24;123(3):398-408.
- [2]. Nabet B, et al. The dTAG system for immediate and target-specific protein degradation. Nat Chem Biol. 2018 May;14(5):431-441.
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Caution: Product has not been fully validated for medical applications. For research use only.

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