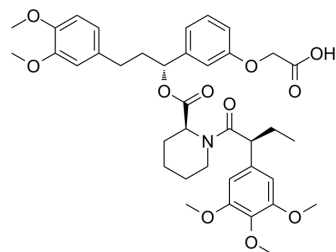


AP1867

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; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
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

- 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
- 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.

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.

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

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