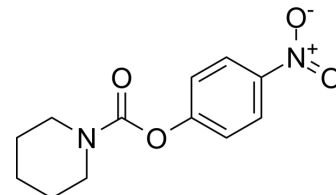


AA38-3

Cat. No.:	HY-18544
CAS No.:	65815-76-1
Molecular Formula:	C ₁₂ H ₁₄ N ₂ O ₄
Molecular Weight:	250.25
Target:	MAGL; FAAH
Pathway:	Metabolic Enzyme/Protease; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (199.80 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.9960 mL	19.9800 mL	39.9600 mL
				5 mM	0.7992 mL	3.9960 mL	7.9920 mL
				10 mM	0.3996 mL	1.9980 mL	3.9960 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: ≥ 2.5 mg/mL (9.99 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (9.99 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.99 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	AA38-3 is a serine hydrolase (SH) inhibitor. AA38-3 can inhibit three SHs, ABHD6, ABHD11, and FAAH ^[1] .
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REFERENCES

[1]. Adibekian A, et, al. Click-generated triazole ureas as ultrapotent in vivo-active serine hydrolase inhibitors. Nat Chem Biol. 2011 May 15;7(7):469-78.

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

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