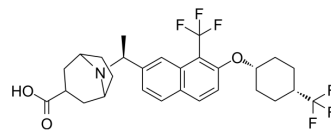


BIO-32546

Cat. No.:	HY-103035		
CAS No.:	1548743-66-3		
Molecular Formula:	C ₂₈ H ₃₁ F ₆ NO ₃		
Molecular Weight:	543.54		
Target:	Phosphodiesterase (PDE)		
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 : 100 mg/mL (183.98 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.8398 mL	9.1990 mL	18.3979 mL
	5 mM	0.3680 mL	1.8398 mL	3.6796 mL
	10 mM	0.1840 mL	0.9199 mL	1.8398 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: ≥ 2.5 mg/mL (4.60 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (4.60 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (4.60 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

BIO-32546 (example 12b, S-isomer) is an autotaxin (ATX) modulator (IC₅₀: 1 nM), extracted from the patent US20170158687A1^[1].

IC₅₀ & Target

Autotaxin

REFERENCES

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

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