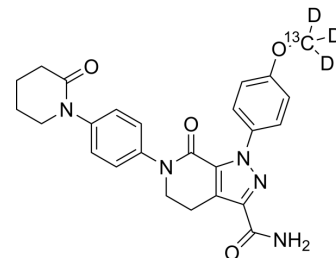


Apixaban-¹³C,₃D₃

Cat. No.:	HY-50667S		
CAS No.:	1261393-15-0		
Molecular Formula:	C ₂₄ ¹³ CH ₂₂ D ₃ N ₅ O ₄		
Molecular Weight:	463.51		
Target:	Factor Xa		
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 : 5.56 mg/mL (12.00 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1575 mL	10.7873 mL	21.5745 mL
	5 mM	0.4315 mL	2.1575 mL	4.3149 mL
	10 mM	0.2157 mL	1.0787 mL	2.1575 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: ≥ 0.56 mg/mL (1.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 0.56 mg/mL (1.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 0.56 mg/mL (1.21 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Apixaban-¹³C,₃D₃ is a deuterium and ¹³C labeled Apixaban. Apixaban is a highly selective, reversible inhibitor of Factor Xa with Ki of 0.08 nM and 0.17 nM in human and rabbit, respectively[1].

REFERENCES

[1]. Pinto DJ, et al. Discovery of 1-(4-methoxyphenyl)-7-oxo-6-(4-(2-oxopiperidin-1-yl)phenyl)-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxamide (apixaban, BMS-562247), a highly potent, selective, efficacious, and orally bioavailable inhibitor of blood coagulation factor Xa. J Med Chem. 2007 Nov 1;50(22):5339-56.

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

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