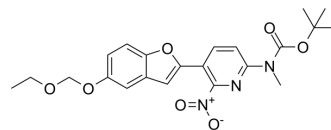


AZD4694 Precursor

Cat. No.:	HY-139516		
CAS No.:	1211333-20-8		
Molecular Formula:	C ₂₂ H ₂₅ N ₃ O ₇		
Molecular Weight:	443.45		
Target:	Amyloid-β		
Pathway:	Neuronal Signaling		
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 : 50 mg/mL (112.75 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.2550 mL	11.2752 mL	22.5505 mL
		5 mM	0.4510 mL	2.2550 mL	4.5101 mL
10 mM		0.2255 mL	1.1275 mL	2.2550 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 (5.64 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	AZD4694 Precursor (AZ13040214) is the precursor of [¹⁸ F] AZD4694 for the synthesis of [¹⁸ F] AZD4694, an amyloid-β imaging ligand with high affinity for amyloid-β plaques ^[1] .
In Vitro	AZD4694 Precursor is an amyloid-β imaging ligand with high affinity for amyloid-β plaques. AZD4694 Precursor is a high affinity (K _d = 2.3 nM) radioligand for imaging amyloid-β plaques that displays lower white matter binding compared to other fluorinated amyloid-PET tracers, enabling easier visual reads ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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