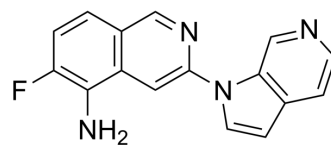


MK-6240

Cat. No.:	HY-101186		
CAS No.:	1841078-87-2		
Molecular Formula:	C ₁₆ H ₁₁ FN ₄		
Molecular Weight:	278.28		
Target:	Others		
Pathway:	Others		
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 : 12.5 mg/mL (44.92 mM; Need ultrasonic)			
		Solvent	Mass	
		Concentration	1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	1 mM	3.5935 mL	17.9675 mL	35.9350 mL
	5 mM	0.7187 mL	3.5935 mL	7.1870 mL
	10 mM	0.3594 mL	1.7968 mL	3.5935 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: 1.25 mg/mL (4.49 mM); Suspended solution; Need ultrasonic			

BIOLOGICAL ACTIVITY

Description	MK-6240 is a tau positron emission tomography (PET) tracer for neurofibrillary tangles (NFTs), exhibiting high specificity and selectivity for binding to NFTs ^[1] .
IC₅₀ & Target	Ki: NFT ^[1] .

CUSTOMER VALIDATION

- Nucl Med Biol. 2023 Sep–Oct,124-125, 108386.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Walji AM, et al. Discovery of 6-(Fluoro-(18)F)-3-(1H-pyrrolo [2,3-c]pyridin-1-yl) isoquinolin-5-amine ([[18]F]-MK-6240): A Positron Emission Tomography (PET) Imaging Agent for Quantification of Neurofibrillary Tangles (NFTs). J Med Chem. 2016 May 26;59(10):4778-89.

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

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