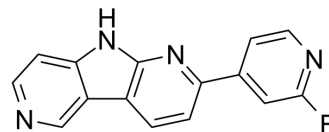


Tau tracer 2

Cat. No.:	HY-134880		
CAS No.:	2173361-80-1		
Molecular Formula:	C ₁₅ H ₉ FN ₄		
Molecular Weight:	264.26		
Target:	Microtubule/Tubulin		
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton		
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 : 16.67 mg/mL (63.08 mM); ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7842 mL	18.9208 mL	37.8415 mL
	5 mM	0.7568 mL	3.7842 mL	7.5683 mL
	10 mM	0.3784 mL	1.8921 mL	3.7842 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: ≥ 1.67 mg/mL (6.32 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1.67 mg/mL (6.32 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1.67 mg/mL (6.32 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Tau tracer 2 (PI-2620) is a Tau tracer used for imaging Tau protein aggregates. Tau tracer 2 can be used to diagnose neurodegenerative diseases^[1].

In Vitro

Tau tracer 2 (compound F-3a) can be employed in the selective Tau detection of disorders and abnormalities associated with Tau aggregates such as Alzheimer's disease and other tauopathies using Positron Emission Tomography (PET) Imaging [1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Heiko Kroth, et al. Compounds for imaging tau protein aggregates. WO2018015549A1.

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

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