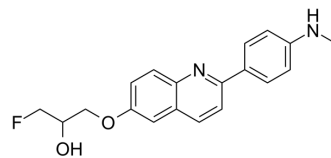


THK-5117

Cat. No.:	HY-101182
CAS No.:	1374107-54-6
Molecular Formula:	C ₁₉ H ₁₉ FN ₂ O ₂
Molecular Weight:	326.36
Target:	Microtubule/Tubulin
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

THK-5117, an arylquinoline derivative, displays high binding affinity to tau fibrils with a K_i of 10.5 nM. THK-5117 has high binding affinity to tau protein aggregates and tau-rich Alzheimer disease (AD) brain homogenates. 18F-THK-5117 has the potential to act as a tau imaging PET probe^[1].

REFERENCES

[1]. Nobuyuki Okamura, et al. Novel 18F-labeled arylquinoline derivatives for noninvasive imaging of tau pathology in Alzheimer disease. J Nucl Med. 2013 Aug;54(8):1420-7.

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

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