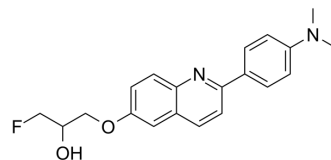


## THK-5105

Cat. No.:	HY-101181
CAS No.:	1374107-46-6
Molecular Formula:	C <sub>20</sub> H <sub>21</sub> FN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	340.39
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-5105, an arylquinoline derivative, displays high binding affinity to tau fibrils. THK-5105 has high binding affinity to tau protein aggregates and tau-rich Alzheimer disease (AD) brain homogenates. 18F-THK-5105 has the potential to act as a tau imaging PET probe<sup>[1]</sup>.

## 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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