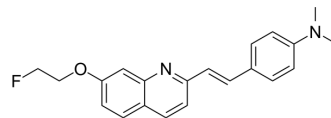


SQ-3

Cat. No.:	HY-151554
Molecular Formula:	C ₂₁ H ₂₁ FN ₂ O
Molecular Weight:	336.4
Target:	Amyloid- β
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SQ-3 is a quinoline analogue, displays moderate selectivity for α -syn aggregates ($K_i=39.3$ nM) over β -amyloid (A β) aggregates ($K_i=230$ nM). [¹⁸ F]SQ3 has basic properties as a lead compound for the development of a useful α -syn imaging probe ^[1] .
In Vivo	SQ-3 ([¹⁸ F]SQ3) exhibits high uptake (2.08% ID/g at 2 min after intravenous injection) into a normal mouse brain ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Nakagawa K, et al. Structure-Activity Relationships of Styrylquinoline and Styrylquinoxaline Derivatives as α -Synuclein Imaging Probes. ACS Med Chem Lett. 2022 Sep 26;13(10):1598-1605.

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

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