

## Tau ligand-1

## Chemical Properties

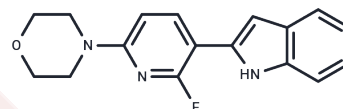
CAS No. : 3063166-64-0

Formula: C<sub>17</sub>H<sub>16</sub>FN<sub>3</sub>O

Molecular Weight: 297.327

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Tau ligand-1 (Compound 75) is a ligand of aggregated tau protein that can penetrate the blood-brain barrier. In tissues affected by Alzheimer's disease, progressive supranuclear palsy, corticobasal degeneration, and Pick's disease, Tau ligand-1 shows high affinity for aggregated tau protein, with equilibrium dissociation constants (KD) ranging from 1 to 3.8 nM. It holds potential as a positron emission tomography (PET) tracer for imaging studies of tau-related diseases within the central nervous system.
Targets(IC50)	Microtubule Associated

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3633 mL	16.8163 mL	33.6327 mL
5 mM	0.6727 mL	3.3633 mL	6.7265 mL
10 mM	0.3363 mL	1.6816 mL	3.3633 mL
50 mM	0.0673 mL	0.3363 mL	0.6727 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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