

AV-105

## Chemical Properties

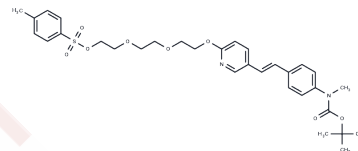
CAS No. : 1205550-99-7

Formula: C32H40N2O8S

Molecular Weight: 612.73

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	AV-105 is a precursor for the synthesis of florbetapir-F18 (Amyvid). Amyvid is a positron emission tomography (PET) imaging agent targeting A $\beta$ plaques, used for the diagnosis of Alzheimer's disease.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 50 mg/mL (81.6 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.632 mL	8.1602 mL	16.3204 mL
5 mM	0.3264 mL	1.632 mL	3.2641 mL
10 mM	0.1632 mL	0.816 mL	1.632 mL
50 mM	0.0326 mL	0.1632 mL	0.3264 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.

## Reference

Tyler Benedum, et al. Synthesis of 18f-radiolabeled styrylpyridines from tosylate precursors and stable pharmaceutical compositions thereof. WO2010078370A1.

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