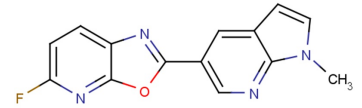


Data Sheet (Cat.No.T16094)

MK-3328

Chemical Properties

CAS No.:	1201323-97-8
Formula:	C ₁₄ H ₉ FN ₄ O
Molecular Weight:	268.25
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	MK-3328 is a β -Amyloid PET ligand. It also shows high binding potency (IC ₅₀ : 10.5 nM).
Targets(IC ₅₀)	β -Amyloid: 10.5 nM
In vitro	MK-3328 displays amyloid binding potency balanced with low levels of nonspecific binding.
In vivo	In normal rhesus monkey positron emission tomography (PET) imaging studies, [¹⁸ F]MK-3328 demonstrates favorable kinetics, exhibiting high brain uptake, and good washout.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.728 mL	18.639 mL	37.279 mL
5 mM	0.746 mL	3.728 mL	7.456 mL
10 mM	0.373 mL	1.864 mL	3.728 mL
50 mM	0.075 mL	0.373 mL	0.746 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Harrison ST, et al. Synthesis and Evaluation of 5-Fluoro-2-aryloxazolo[5,4-b]pyridines as β -Amyloid PET Ligands and Identification of MK-3328. ACS Med Chem Lett. 2011 Apr 18;2(7):498-502.

Inhibitors · Natural Compounds · Compound Libraries

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