Product Datasheet

MK-7337

Catalog No. **BP-05341** · CAS **3056154-69-6** · Form **free base** · Physical state **solid** · Color **Off-white to light yellow** · Version **1.0** · Revision **2026-11-16**

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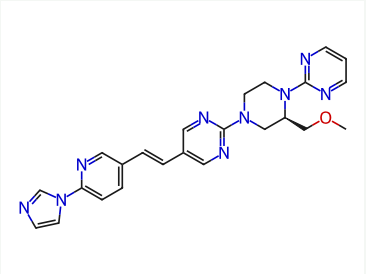
Target	Research area
Radionuclide-Drug Conjugates (RDCs); α-synuclein	**Neurological Disease**

Molecular formula	**$C_{24}H_{25}N_9O$**
Molecular weight	**455.5150**

STRUCTURE



DESCRIPTION

MK-7337 is an α-synuclein ligand with an affinity of < 1 nM. MK-7337 labeled with 11C can be used as a PET tracer for neurodegenerative disorders like Parkinson’s disease imagination.

BIOLOGICAL ACTIVITY

In Vitro

MK-7337 binds with high affinity (< 1 nM) to alpha-synuclein pathology in postmortem human PD, Alzheimer’s disease, and non-diseased brain tissues, with moderate off-target binding liability[1].

In Vivo

[11C]MK-7337 exhibits strongly displaceable binding to α-synuclein pathological structures in the brain/brainstem of aged A30P transgenic mice[1].

[11C]MK-7337 exhibits favorable brain kinetic properties and a moderate risk of off-target binding in non-human primates without pathological conditions[1].

SOLUBILITY

Soluble in DMSO : 2 mg/mL

REFERENCES

[1]. Helen Mitchell, et al. Discovery of [11C]MK-7337, a novel high-affinity alpha-synuclein PET ligand for imaging in idiopathic Parkinson’s disease patients. ACS. 2025 Aug 20.