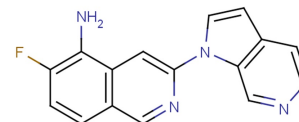


MK-6240

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No.:          | 1841078-87-2   |
| Formula:          | C <sub>16</sub> H <sub>11</sub> FN <sub>4</sub>                        |
| Molecular Weight: | 278.28   |
| Appearance:       | N/A  |
| Storage:          | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



## Biological Description

|                            |   |
|----------------------------|---|
| Description                | MK-6240 is a tau positron emission tomography (PET) tracer for neurofibrillary tangles (NFTs). MK-6240 exhibits high specificity and selectivity for binding to NFTs. |
| Targets(IC <sub>50</sub> ) | Others: None  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 12.5 mg/mL (44.92 mM)<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

### Preparing Stock Solutions

|       | 1mg      | 5mg       | 10mg      |
|-------|----------|-----------|-----------|
| 1 mM  | 3.594 mL | 17.968 mL | 35.935 mL |
| 5 mM  | 0.719 mL | 3.594 mL  | 7.187 mL  |
| 10 mM | 0.359 mL | 1.797 mL  | 3.594 mL  |
| 50 mM | 0.072 mL | 0.359 mL  | 0.719 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. Walji AM, et al. Discovery of 6-(Fluoro-(18)F)-3- (1H-pyrrolo [2,3-c]pyridin-1-yl) isoquinolin-5-amine ([18F]-MK-6240): A Positron Emission Tomography (PET) Imaging Agent for Quantification of Neurofibrillary Tangles (NFTs). J Med Chem. 2016 May 26;59(10):4778-89.

Inhibitors · Natural Compounds · Compound Libraries

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