
Product Data Sheet

Product Name: [18F]AZD4694 Precursor

Cat. No.: GC62752

Chemical Properties

Cas. No. 1211333-20-8

Formula $C_{22}H_{25}N_3O_7$ M.Wt 443.45

Solubility DMSO : 50 mg/mL (112.75 mM; ultrasonic and warming and heat to 60°C) Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

[18F]AZD4694 Precursor is the precursor of [18F] AZD4694 for the synthesis of [18F] AZD4694, an amyloid- β imaging ligand with high affinity for amyloid- β plaques[1].

18F-AZD4694 is an amyloid- β imaging ligand with high affinity for amyloid- β plaques. 18F-AZD4694 is a high affinity ($K_d = 2.3$ nM) radioligand for imaging amyloid- β plaques that displays lower white matter binding compared to other fluorinated amyloid-PET tracers, enabling easier visual reads[1].

[1]. Therriault J, et al. Determining Amyloid- β Positivity Using 18F-AZD4694 PET Imaging. J Nucl Med. 2021;62(2):247-252.

Caution: Product has not been fully validated for medical applications. For research use only.

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