

ER176

Chemical Properties

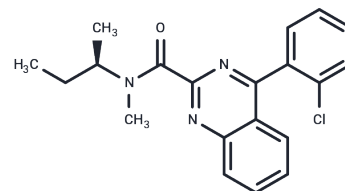
CAS No. : 1373887-29-6

Formula: C₂₀H₂₀ClN₃O

Molecular Weight: 353.85

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	ER176 is a novel PET radioligand utilized for the visualization of 18 kDa translocator protein (TSPO), a neuroinflammation biomarker, marking the advancement in imaging technology.
In vitro	ER176 exhibits a 1.2[1] ratio of homozygous high-affinity binders (HABs) to heterozygous mixed affinity binders (MABs) in terms of BP ND (specific-to-non-displaceable ratio of distribution volumes).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8261 mL	14.1303 mL	28.2606 mL
5 mM	0.5652 mL	2.8261 mL	5.6521 mL
10 mM	0.2826 mL	1.413 mL	2.8261 mL
50 mM	0.0565 mL	0.2826 mL	0.5652 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.

Reference

Masahiro Fujita, et al. Comparison of four ¹¹C-labeled PET ligands to quantify translocator protein 18 kDa (TSPO) in human brain: (R)-PK11195, PBR28, DPA-713, and ER176-based on recent publications that measured specific-

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