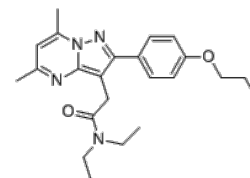


Product Name : DPA-714
Cat. No. : PC-62197
CAS No. : 958233-07-3
Molecular Formula : C₂₂H₂₇N₄O₂
Molecular Weight : 398.47
Target : Translocator Protein (TSPO)
Solubility : 10 mM in DMSO



Biological Activity

DPA-714 is a potent, selective ligand for the translocator protein (**TSPO**) with K_i of 7.0 nM.

DPA-714 decreases microglial activation and increase neuronal survival in a quinolinic acid rat model of excitotoxic neurodegeneration.

[18F]DPA-714 is a potential radiopharmaceutical for imaging TSPO in living systems using positron emission tomography (PET).

References

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Leaver KR, et al. *ACS Chem Neurosci*. 2012 Feb 15;3(2):114-9.

Reynolds A, et al. *Bioorg Med Chem Lett*. 2010 Oct 1;20(19):5799-802.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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