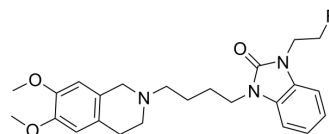


## Sigma-2 Radioligand 1

Cat. No.:	HY-156124
CAS No.:	2860554-32-9
Molecular Formula:	C <sub>24</sub> H <sub>30</sub> FN <sub>3</sub> O <sub>3</sub>
Molecular Weight:	427.51
Target:	Sigma Receptor
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Sigma-2 Radioligand 1 (compound 1) is a Sigma-2 selective ligand. Sigma-2 Radioligand 1 has good biodistribution in mice and good in vivo activity in rats. [18F] Modified Sigma-2 Radioligand 1 for visualization of tumors in micro-PET/CT imaging, exhibiting high tumor uptake and tumor-to-background ratio. Experiments show that Sigma-2 Radioligand 1 binds highly specifically in U87MG glioma xenografts <sup>[1]</sup> .
IC <sub>50</sub> & Target	Ki: 2.57 nM (Sigma-2, σ <sub>2</sub> ) <sup>[1]</sup>

### REFERENCES

[1]. Wang T, et al. Development of a Highly Specific 18F-Labeled Radioligand for Imaging of the Sigma-2 Receptor in Brain Tumors. J Med Chem. 2023 Sep 13. .

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

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