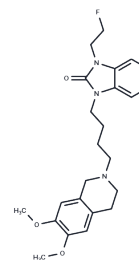


## Sigma-2 Radioligand 1

## Chemical Properties

CAS No. :	2860554-32-9
Formula:	C <sub>24</sub> H <sub>30</sub> FN <sub>3</sub> O <sub>3</sub>
Molecular Weight:	427.51
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Sigma-2 Radioligand 1 (compound 1) serves as a selective Sigma-2 ligand, demonstrating favorable biodistribution in mice and robust in vivo activity in rats. The [18F] modified version of Sigma-2 Radioligand 1 enhances the visualization of tumors in micro-PET/CT imaging by providing high tumor uptake and an impressive tumor-to-background ratio. Additionally, experiments confirm that this compound binds with high specificity to U87MG glioma xenografts [1].
Targets(IC50)	Sigma receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3391 mL	11.6956 mL	23.3913 mL
5 mM	0.4678 mL	2.3391 mL	4.6783 mL
10 mM	0.2339 mL	1.1696 mL	2.3391 mL
50 mM	0.0468 mL	0.2339 mL	0.4678 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481