

THK-5470

Chemical Properties

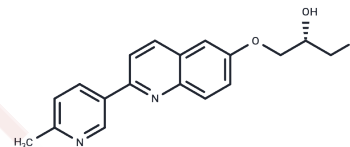
CAS No. : 2410554-04-8

Formula: C₁₈H₁₇FN₂O₂

Molecular Weight: 312.34

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	THK-5470 is an imaging probe of monoamine oxidase-B (MAO-B) with high selective binding property and high affinity that could be used in neurological diseases study. THK-5470 exhibits significantly high binding affinity against MAO-B with an IC ₅₀ value of 4.2 nM as well as low binding affinity against tau with an IC ₅₀ value of 4462 nM.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2016 mL	16.0082 mL	32.0164 mL
5 mM	0.6403 mL	3.2016 mL	6.4033 mL
10 mM	0.3202 mL	1.6008 mL	3.2016 mL
50 mM	0.064 mL	0.3202 mL	0.6403 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