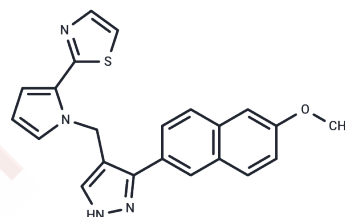


MG-1102

Chemical Properties

CAS No. : 2567913-75-9
 Formula: C₂₂H₁₈N₄O₅
 Molecular Weight: 386.47
 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	MG-1102 is a first-in-class dual binder of monomeric tau and pre-miRNA-146a, exhibiting specific inhibition of miRNA146a with IC ₅₀ values of 0.21 mM for double-labeled pre-miRNA146a and 0.36 mM for mono-labeled pre-miRNA146a. It interacts with tau monomers with a K _d of 3.21 mM as determined by surface plasmon resonance (SPR), positioning it as a potential multi-target-directed ligand (MTDL) for Alzheimer's disease (AD) [1].
Targets(IC ₅₀)	Microtubule Associated, MicroRNA

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5875 mL	12.9376 mL	25.8752 mL
5 mM	0.5175 mL	2.5875 mL	5.175 mL
10 mM	0.2588 mL	1.2938 mL	2.5875 mL
50 mM	0.0518 mL	0.2588 mL	0.5175 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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