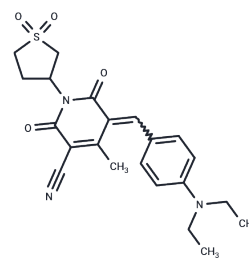


MAGL-IN-222

Chemical Properties

CAS No. :	877804-65-4
Formula:	C ₂₂ H ₂₅ N ₃ O ₄ S
Molecular Weight:	427.517
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	MAGL-IN-222 (Compound ZQ-7) is a covalent inhibitor that targets monoacylglycerol lipase (MAGL), with an IC ₅₀ of 42.31 μM. It reduces the breakdown of 2-arachidonoylglycerol (2-AG), enhancing intracellular 2-AG levels, thereby inhibiting the proliferation and migration of MDA-MB-231 breast cancer cells. MAGL-IN-222 is applicable in breast cancer research and related diseases.
Targets(IC ₅₀)	Lipase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3391 mL	11.6954 mL	23.3907 mL
5 mM	0.4678 mL	2.3391 mL	4.6781 mL
10 mM	0.2339 mL	1.1695 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

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

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