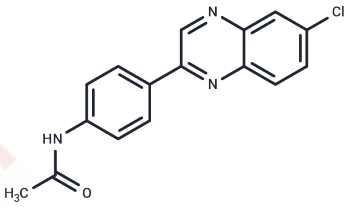
Data Sheet (Cat.No.T9062)

TargetMol

CA77.1

Chemical Properties



CAS No. : 2412270-22-3

Formula: C16H12ClN3O

Molecular Weight: 297.74

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	CA77.1(CA) is a novel chaperon-mediated autophagy (CMA) activator for the treatment of Alzheimer's disease (AD).
Targets(IC50)	Autophagy

Solubility Information

Solubility	DMSO: 2.98 mg/mL (10.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3586 mL	16.7932 mL	33.5864 mL
5 mM	0.6717 mL	3.3586 mL	6.7173 mL
10 mM	0.3359 mL	1.6793 mL	3.3586 mL
50 mM	0.0672 mL	0.3359 mL	0.6717 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.

Reference

Bourdenx M, et al. Chaperone-mediated autophagy prevents collapse of the neuronal metastable proteome. Cell. 2021 May 13;184(10):2696-2714.e25.

Shi D, Bai Y, Long R, et al.Neuronal LAMP2A-mediated reduction of adenylyl cyclases induces acute neurodegenerative responses and neuroinflammation after ischemic stroke.Cell Death & Differentiation.2024: 1-16.

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