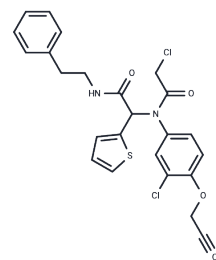


ML162-yne

Chemical Properties

CAS No. :	2883115-46-4
Formula:	C ₂₅ H ₂₂ Cl ₂ N ₂ O ₃ S
Molecular Weight:	501.43
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	ML162-yne is an effective GPX4 inhibitor and affinity probe containing an alkyne group capable of click chemistry reactions with azide-containing molecules.
Targets(IC50)	GPX

Solubility Information

Solubility	DMSO: 80 mg/mL (159.54 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9943 mL	9.9715 mL	19.943 mL
5 mM	0.3989 mL	1.9943 mL	3.9886 mL
10 mM	0.1994 mL	0.9971 mL	1.9943 mL
50 mM	0.0399 mL	0.1994 mL	0.3989 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

Eaton JK, et al. Selective covalent targeting of GPX4 using masked nitrile-oxide electrophiles. Nat Chem Biol. 2020 May;16(5):497-506.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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