

ZMF-23

## Chemical Properties

CAS No. :

Formula: C<sub>22</sub>H<sub>23</sub>Cl<sub>2</sub>N<sub>5</sub>O<sub>3</sub>

Molecular Weight: 476.36

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	ZMF-23, a PAK1/HDAC6 dual inhibitor, suppresses PAK1 and HDAC6-mediated aerobic glycolysis and cellular migration while inducing TNF- $\alpha$ -regulated necroptosis and augmenting apoptosis. The compound effectively hampers the Warburg effect and cell motility, positioning it as a potential research tool for triple-negative breast cancer (TNBC) [1].
Targets(IC50)	HDAC,PAK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0993 mL	10.4963 mL	20.9925 mL
5 mM	0.4199 mL	2.0993 mL	4.1985 mL
10 mM	0.2099 mL	1.0496 mL	2.0993 mL
50 mM	0.042 mL	0.2099 mL	0.4199 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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