

HSP90-IN-22

## Chemical Properties

CAS No. : 442898-75-1

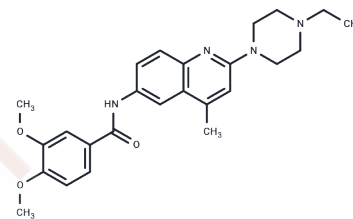
Formula: C<sub>25</sub>H<sub>30</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight: 434.53

Keep away from direct sunlight

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	HSP90-IN-22 is a potent HSP90 inhibitor targeting the ATP-binding site. It induces the degradation of oncogenic client proteins, used for broad-spectrum cancer and drug resistance research.
Targets(IC50)	HSP
In vitro	HSP90-IN-22 inhibits breast cancer cell proliferation with IC <sub>50</sub> values of 3.65 $\mu$ M (MCF7) and 2.71 $\mu$ M (SKBr3) [1].

## Solubility Information

Solubility	DMSO: 80 mg/mL (184.11 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3013 mL	11.5067 mL	23.0134 mL
5 mM	0.4603 mL	2.3013 mL	4.6027 mL
10 mM	0.2301 mL	1.1507 mL	2.3013 mL
50 mM	0.046 mL	0.2301 mL	0.4603 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

Willox A K, Sahraoui Y M E, Royle S J. Non-specificity of Pitstop 2 in clathrin-mediated endocytosis[J]. Biology open, 2014, 3(5): 326-331.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481