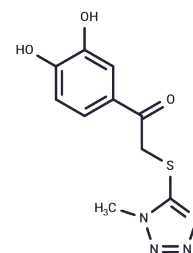


## ATPase-IN-5

## Chemical Properties

CAS No. :	401590-85-0
Formula:	C10H10N4O3S
Molecular Weight:	266.28
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	ATPase-IN-5 (Compound 11) is an antifungal Pma1p (H <sup>+</sup> -ATPase) inhibitor (IC <sub>50</sub> = 12.7 μM) that inhibits the growth of <i>Candida albicans</i> and <i>Saccharomyces cerevisiae</i> .
Targets(IC <sub>50</sub> )	Proton pump, Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7554 mL	18.7772 mL	37.5545 mL
5 mM	0.7511 mL	3.7554 mL	7.5109 mL
10 mM	0.3755 mL	1.8777 mL	3.7554 mL
50 mM	0.0751 mL	0.3755 mL	0.7511 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

Truong-Thanh Tung, et al. LEGO-Inspired Drug Design: Unveiling a Class of Benzo[d]thiazoles Containing a 3,4-Dihydroxyphenyl Moiety as Plasma Membrane H<sup>+</sup> -ATPase Inhibitors. *ChemMedChem*. 2018 Jan 8;13(1):37-47.

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