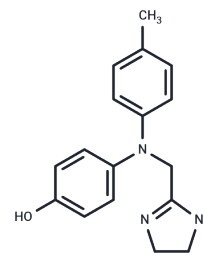


## Phentolamine Analogue 1

## Chemical Properties

CAS No. :	47142-51-8
Formula:	C17H19N3O
Molecular Weight:	281.35
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	Phentolamine Analogue 1 is a nonselective $\alpha$ -adrenergic antagonist, similar to phentolamine.
Targets(IC50)	Others, Adrenergic Receptor

## Solubility Information

Solubility	DMSO: 45 mg/mL (159.94 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	3.5543 mL	17.7715 mL	35.5429 mL
5 mM	0.7109 mL	3.5543 mL	7.1086 mL
10 mM	0.3554 mL	1.7771 mL	3.5543 mL
50 mM	0.0711 mL	0.3554 mL	0.7109 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

J.A. Parihar, et al. Alkylation of diphenylamines with chloroacetonitrile: a new entry to phentolamine analogues. Journal of Chemical Research (2004), (3), 220-222.

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