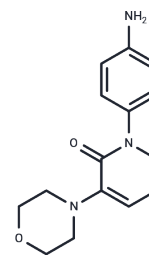


1-(4-Aminophenyl)-5,6-dihydro-3-(4-Morpholinyl)-2(1H)-pyridinone

Chemical Properties

CAS No. :	1267610-26-3
Formula:	C ₁₅ H ₁₉ N ₃ O ₂
Molecular Weight:	273.33
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	1-(4-AMinophenyl)-5,6-dihydro-3-(4-Morpholinyl)-2(1H)-pyridinone has broad-spectrum antifungal activity with inhibitory effects on <i>Candida albicans</i> , <i>Aspergillus niger</i> , <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> .
Targets(IC50)	Antifungal

Solubility Information

Solubility	DMSO: 50 mg/mL (182.93 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	3.6586 mL	18.2929 mL	36.5858 mL
5 mM	0.7317 mL	3.6586 mL	7.3172 mL
10 mM	0.3659 mL	1.8293 mL	3.6586 mL
50 mM	0.0732 mL	0.3659 mL	0.7317 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

Wang YG, et al. A kind of preparation method of dihydropyridone derivatives. CN111116553A.

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