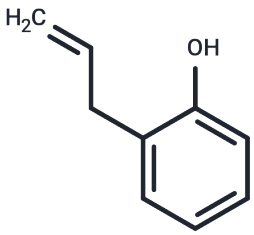
Data Sheet (Cat.No.T20472)

TargetMol

2-Allylphenol

Chemical Properties



CAS No. : 1745-81-9

Formula: C9H10O

Molecular Weight: 134.18

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	2-Allylphenol (NSC-1538) exhibits antifungal activity.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (372.63 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.4527 mL	37.2634 mL	74.5268 mL
5 mM	1.4905 mL	7.4527 mL	14.9054 mL
10 mM	0.7453 mL	3.7263 mL	7.4527 mL
50 mM	0.1491 mL	0.7453 mL	1.4905 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

Chang W, et al. Pd-Catalyzed regioselective hydroesterification of 2-allylphenols to seven-membered lactones without external CO gas. Org Biomol Chem. 2016 Mar 21;14(11):3047-52.
Amorati R, et al. Antioxidant Activity of Magnolol and Honokiol: Kinetic and Mechanistic Investigations of Their Reaction with Peroxyl Radicals. J Org Chem. 2015 Nov 6;80(21):10651-9.
Hutt JT, Wolfe JP. Synthesis of 2,3-Dihydrobenzofurans via the Palladium Catalyzed Carboalkoxylation of 2-Allylphenols. Org Chem Front. 2016 Oct 1;3(10):1314-1318.
Qu T, et al. Synthesis and antifungal activity of 2-allylphenol derivatives against fungal plant pathogens. Pestic Biochem Physiol. 2017 Jan;135:47-51.