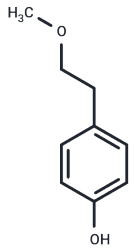
Data Sheet (Cat.No.T0635)

TargetMol

p-(2-Methoxyethyl) phenol

Chemical Properties



CAS No. : 56718-71-9

Formula: C9H12O2

Molecular Weight: 152.19

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	p-(2-Methoxyethyl) phenol, an important kind of pharmaceutical intermediates, is primarily used in the synthesis of metoprolol which is effective drugs in the therapy of cardiovascular disease.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (328.54 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 5 mg/mL (32.85 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.5707 mL	32.8537 mL	65.7073 mL
5 mM	1.3141 mL	6.5707 mL	13.1415 mL
10 mM	0.6571 mL	3.2854 mL	6.5707 mL
50 mM	0.1314 mL	0.6571 mL	1.3141 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

Koyama, E., Shon, D., Shin, S., Chiba, K., Shin, J., & Kim, Y. et al. (1994). Metabolic disposition of imipramine in oriental subjects: relation to metoprolol alpha-hydroxylation and S-mephenytoin 4'-hydroxylation phenotypes. J Pharmacol Exp Ther, 271(2), 860-7.

Zhou, H., Anthony, L., Roden, D., & Wood, A. (1990). Quinidine reduces clearance of (+)-propranolol more than (–)-propranolol through marked reduction in 4-hydroxylation. Clinical Pharmacology And Therapeutics, 47(6), 686-693. doi: 10.1038/clpt.1990.94

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