Data Sheet (Cat.No.T21288)

TargetMol

Phenol, 4-chloro-5-methyl-2-nitro-

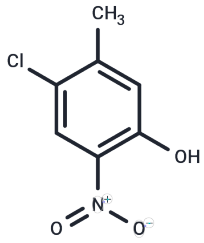
Chemical Properties

CAS No. : 7147-89-9

Formula: C7H6ClNO3

Molecular Weight: 187.58

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	Phenol, 4-chloro-5-methyl-2-nitro- is a biaoctive chemical.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.3311 mL	26.6553 mL	53.3106 mL
5 mM	1.0662 mL	5.3311 mL	10.6621 mL
10 mM	0.5331 mL	2.6655 mL	5.3311 mL
50 mM	0.1066 mL	0.5331 mL	1.0662 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

Husøy T, Andreassen M, Hjertholm H, Carlsen MH, Norberg N, Sprong C, Papadopoulou E, Sakhi AK, Sabaredzovic A, Dirven HAAM. The Norwegian biomonitoring study from the EU project EuroMix: Levels of phenols and phthalates in 24-hour urine samples and exposure sources from food and personal care products. Environ Int. 2019 Aug 27;132:105103. doi: 10.1016/j.envint.2019.105103. [Epub ahead of print] PubMed PMID: 31470218.
Song T, He J, Liang L, Liu N, Li F, Tong X, Mu X, Mu Y. Titanium and zirconium complexes bearing new tridentate [OSO] bisphenolato-based ligands: synthesis, characterization and catalytic properties for alkene polymerization. Dalton Trans. 2019 Aug 30. doi: 10.1039/c9dt03225h. [Epub ahead of print] PubMed PMID: 31469372.
Talib SH, Hussain S, Muhammad S, Baskaran S, Iqbal J, Ayub K. Exploring the potential of novel transition metal complexes derived from ONO donor type ligand: a quantum chemical study. J Mol Model. 2019 Aug 30;25(9):284. doi: 10.1007/s00894-019-4157-6. PubMed PMID: 31468196.
Venkatesan T, Choi YW, Kim YK. Impact of Different Extraction Solvents on Phenolic Content and Antioxidant Potential of Pinus densiflora Bark Extract. Biomed Res Int. 2019 Jul 29;2019:3520675. doi: 10.1155/2019/3520675. eCollection 2019. PubMed PMID: 31467882; PubMed Central PMCID: PMC6699328.