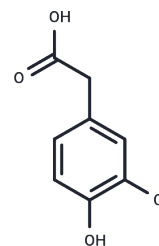


## 3-Chloro-4-hydroxyphenylacetic acid

## Chemical Properties

CAS No. :	33697-81-3
Formula:	C <sub>8</sub> H <sub>7</sub> ClO <sub>3</sub>
Molecular Weight:	186.59
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	3-Chloro-4-hydroxyphenylacetic acid is a bioactive 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	5.3593 mL	26.7967 mL	53.5934 mL
5 mM	1.0719 mL	5.3593 mL	10.7187 mL
10 mM	0.5359 mL	2.6797 mL	5.3593 mL
50 mM	0.1072 mL	0.5359 mL	1.0719 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

- Kumar R, Sadowski MC, Levrier C, Nelson CC, Jones AJ, Holleran JP, Avery VM, Healy PC, Davis RA. Design and Synthesis of a Screening Library Using the Natural Product Scaffold 3-Chloro-4-hydroxyphenylacetic Acid. *J Nat Prod*. 2015 Apr 24;78(4):914-8. doi: 10.1021/np500856u. Epub 2015 Mar 24. PubMed PMID: 25803573.
- Meng ZB, You XD, Suo D, Chen YL, Tang C, Yang JL, Zheng SJ. Root-derived auxin contributes to the phosphorus-deficiency-induced cluster-root formation in white lupin (*Lupinus albus*). *Physiol Plant*. 2013 Aug;148(4):481-9. doi: 10.1111/j.1399-3054.2012.01715.x. Epub 2012 Nov 20. PubMed PMID: 23067249.
- Lanková M, Smith RS, Pesek B, Kubes M, Zazímalová E, Petrásek J, Hoyerová K. Auxin influx inhibitors 1-NOA, 2-NOA, and CHPAA interfere with membrane dynamics in tobacco cells. *J Exp Bot*. 2010 Aug;61(13):3589-98. doi: 10.1093/jxb/erq172. Epub 2010 Jul 1. PubMed PMID: 20595238; PubMed Central PMCID: PMC2921198.
- Mani AR, Ippolito S, Moreno JC, Visser TJ, Moore KP. The metabolism and dechlorination of chlorotyrosine in vivo. *J Biol Chem*. 2007 Oct 5;282(40):29114-21. Epub 2007 Aug 8. PubMed PMID: 17686770.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481