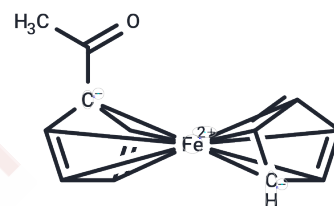


## 1-Acetylferrocene

## Chemical Properties

CAS No. :	1271-55-2
Formula:	C <sub>12</sub> H <sub>12</sub> FeO
Molecular Weight:	228.07
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-Acetylferrocene, an organoiron compound with the formula Fe, consists of ferrocene substituted by an acetyl group on one of the cyclopentadienyl rings. It is an orange, air-stable solid and is soluble in organic solvents.
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	4.3846 mL	21.9231 mL	43.8462 mL
5 mM	0.8769 mL	4.3846 mL	8.7692 mL
10 mM	0.4385 mL	2.1923 mL	4.3846 mL
50 mM	0.0877 mL	0.4385 mL	0.8769 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

Yadav S, Singh RV. Ferrocenyl-substituted Schiff base complexes of boron: synthesis, structural, physico-chemical and biochemical aspects. Spectrochim Acta A Mol Biomol Spectrosc. 2011 Jan;78(1):298-306. doi: 10.1016/j.saa.2010.10.010. Epub 2010 Dec 16. PubMed PMID: 21167770.

Zhang J, Liu WY, Zhang X. [Study of the characterization of beta-cyclodextrin-acetylferrocene-thiosemicarbazone inclusion complex and micro-environmental effects]. Guang Pu Xue Yu Guang Pu Fen Xi. 2005 Oct;25(10):1568-72. Chinese. PubMed PMID: 16395884.

Alvarado YJ, Peña-Suárez JL, Cubillán N, Labarca PH, Caldera-Luzardo JA, López-Linares F. Influence of the dielectric medium on the carbonyl infrared absorption peak of acetylferrocene. Molecules. 2005 Feb 28;10(2):457-74. PubMed PMID: 18007317.

Leung HW, Hallesy DW, Shott LD, Murray FJ, Paustenbach DJ. Toxicological evaluation of substituted dicyclopentadienyliron (ferrocene) compounds. Toxicol Lett. 1987 Sep;38(1-2):103-8. PubMed PMID: 3629622.

**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