

Product Data Sheet

Product Name: 9,10-Dichlorophenanthrene

Cat. No.: GC79342

Chemical Properties

Cas. No. 17219-94-2

Formula $C_{14}H_8Cl_2$

M.Wt 247.12

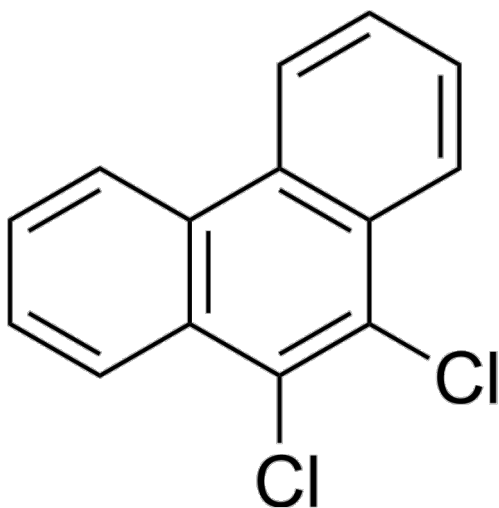
Solubility

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

9,10-Dichlorophenanthrene is a chlorinated polycyclic aromatic hydrocarbon and is generally regarded as a carcinogen. It could activate the aryl hydrocarbon receptor (AhR).

References:

[1]. Ohura T, Morita M, Makino M, Amagai T, Shimoi K. Aryl hydrocarbon receptor-mediated effects of chlorinated polycyclic aromatic hydrocarbons. Chem Res Toxicol. 2007 Sep;20(9):1237-41.

Caution: Product has not been fully validated for medical applications. For research use only.

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[2]. Ohura T, Morita M, Kuruto-Niwa R, Amagai T, Sakakibara H, Shimoi K. Differential action of chlorinated polycyclic aromatic hydrocarbons on aryl hydrocarbon receptor-mediated signaling in breast cancer cells. Environ Toxicol. 2010 Apr;25(2):180-7.

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