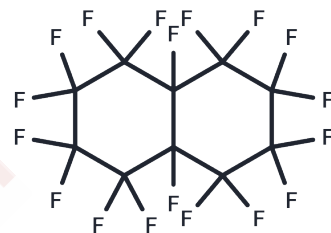


Perfluorodecalin

Chemical Properties

CAS No. :	306-94-5
Formula:	C10F18
Molecular Weight:	462.08
Storage:	High Volatility
	Pure form: -20°C for 3 years In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Perfluorodecalin (PFD) is a chemically and biologically inert biomaterial, hydrophobic and radiolucent, used as artificial blood. Perfluorodecalin enhances bone regeneration and cell viability.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (173.13 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1641 mL	10.8206 mL	21.6413 mL
5 mM	0.4328 mL	2.1641 mL	4.3283 mL
10 mM	0.2164 mL	1.0821 mL	2.1641 mL
50 mM	0.0433 mL	0.2164 mL	0.4328 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

Rodriguez-Brotons A, et al. Comparison of Perfluorodecalin and HEMOXCell as Oxygen Carriers for Islet Oxygenation in an In Vitro Model of Encapsulation. Tissue Eng Part A. 2016 Dec;22(23-24):1327-1336.

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