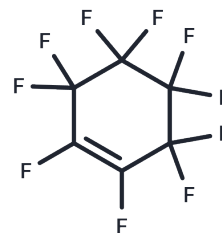


Cyclohexene, decafluoro-

Chemical Properties

CAS No. :	355-75-9
Formula:	C ₆ F ₁₀
Molecular Weight:	262.05
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	Cyclohexene, decafluoro- is also known as Perfluorocyclohexene. Perfluorocycloalkene (PFCA) is a general class of fluorocarbon compounds comprising many commercially available perfluorocyclo-olefins including hexafluorocyclobutene (or perfluorocyclobutene), octafluorocyclopentene (or perfluorocyclopentene) and decafluorocyclohexene (or perfluorocyclohexene). Perfluorocycloalkene is a cycloalkene with no aromatic character, and has only carbon and fluorine, but no hydrogen.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8161 mL	19.0803 mL	38.1607 mL
5 mM	0.7632 mL	3.8161 mL	7.6321 mL
10 mM	0.3816 mL	1.908 mL	3.8161 mL
50 mM	0.0763 mL	0.3816 mL	0.7632 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

Schaab J, Schwab M, Kratzert D, Schwabedissen J, Stammler HG, Mitzel NW, Krossing I. The perfluorinated alcohols $c\text{-C}(6)\text{F}(11)\text{OH}$, $c\text{-C}(6)\text{F}(10)\text{-}1,1\text{-(OH)}(2)$ and $c\text{-C}(6)\text{F}(10)\text{-}1\text{-(CF}(3))\text{OH}$. *Chem Commun (Camb)*. 2018 Aug 16;54(67):9294-9297. doi: 10.1039/c8cc05148h. PubMed PMID: 30033461.

Hatano E, Morimoto M, Imai T, Hyodo K, Fujimoto A, Nishimura R, Sekine A, Yasuda N, Yokojima S, Nakamura S, Uchida K. Photosalient Phenomena that Mimic Impatiens Are Observed in Hollow Crystals of Diarylethene with a Perfluorocyclohexene Ring. *Angew Chem Int Ed Engl*. 2017 Oct 2;56(41):12576-12580. doi: 10.1002/anie.201706684. Epub 2017 Aug 31. PubMed PMID: 28834074.

Hatano E, Morimoto M, Hyodo K, Yasuda N, Yokojima S, Nakamura S, Uchida K. Photosalient Effect of a Diarylethene with a Perfluorocyclohexene Ring. *Chemistry*. 2016 Aug 26;22(36):12680-3. doi: 10.1002/chem.201603020. Epub 2016 Jul 28. PubMed PMID: 27384133.

Yuan K, Boixel J, Le Bozec H, Boucekkine A, Doucet H, Guerchais V, Jacquemin D. Perfluorocyclohexene bridges in inverse DiArylEthenes: synthesis through Pd-catalysed C-H bond activation, experimental and theoretical studies on their photoreactivity. *Chem Commun (Camb)*. 2013 Sep 18;49(72):7896-8. doi: 10.1039/c3cc43754j. Epub 2013 Jul 30. PubMed PMID: 23900585.

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