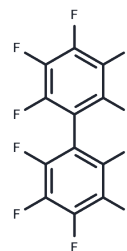


## Decafluorobiphenyl

## Chemical Properties

CAS No. :	434-90-2
Formula:	C12F10
Molecular Weight:	334.11
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	Decafluorobiphenyl is an intermediate used for organic synthesis and pharmaceuticals.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.993 mL	14.9651 mL	29.9303 mL
5 mM	0.5986 mL	2.993 mL	5.9861 mL
10 mM	0.2993 mL	1.4965 mL	2.993 mL
50 mM	0.0599 mL	0.2993 mL	0.5986 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

Alapour S, de la Torre BG, Ramjugernath D, Koorbanally NA, Albericio F. Application of Decafluorobiphenyl (DFBP) Moiety as a Linker in Bioconjugation. *Bioconjug Chem*. 2018 Feb 21;29(2):225-233. doi: 10.1021/acs.bioconjchem.7b00800. Epub 2018 Jan 24. Review. PubMed PMID: 29341592.

Landmann J, Hennig PT, Ignat'ev NV, Finze M. Borylation of fluorinated arenes using the boron-centred nucleophile B(CN)<sub>3</sub>(2-) - a unique entry to aryltricyanoborates. *Chem Sci*. 2017 Sep 1;8(9):5962-5968. doi: 10.1039/c7sc02249b. Epub 2017 Jun 26. PubMed PMID: 28989626; PubMed Central PMCID: PMC5620525.

Ngambenjawong C, Pineda JM, Pun SH. Engineering an Affinity-Enhanced Peptide through Optimization of Cyclization Chemistry. *Bioconjug Chem*. 2016 Dec 21;27(12):2854-2862. doi: 10.1021/acs.bioconjchem.6b00502. Epub 2016 Nov 10. PubMed PMID: 27779387; PubMed Central PMCID: PMC5678939.

Ferrer M, Pedrosa A, Rodríguez L, Rossell O, Vilaseca M. New insights into the factors that govern the square/triangle equilibria of Pd(II) and Pt(II) supramolecules. Unexpected participation of a mononuclear species in the equilibrium. *Inorg Chem*. 2010 Oct 18;49(20):9438-49. doi: 10.1021/ic101150p. PubMed PMID: 20866091.

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