



Perfluorinated Organic Compounds – PFCs

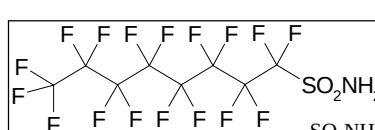
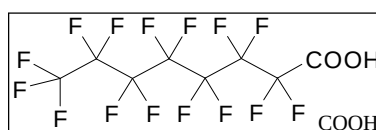
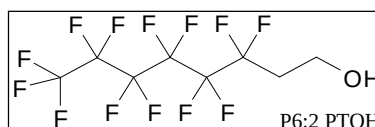
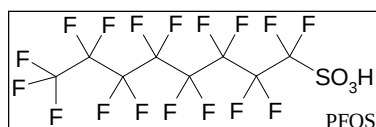
Perfluorinated Organic Compounds (PFCs) are used in numerous commercial products like fire protection agents, textile protection agents, floor polishers, detergents, paints, paper treatment agents and electronic equipment.



The first PFCs (PFAs = Perfluorinated alkananoic acids, alcohols and sulfonic acids) were based on Perfluorooctanesulfonic Acid (PFOS) and Perfluorooctanoic Acid (PFOA). However, due to environmental reports with warning about the bioaccumulation of these compounds, new and more readily biodegradable substances have been introduced. Typically, these are various telomeric acids, alcohols and sulfonamides.

The biodegradation-route of the commercial telomers is currently under investigation and new metabolites are likely to be found.

Chiron now offers a large range of PFCs and its telomeric acid, alcohols and possible metabolites.



PFAs - Perfluorinated alkananoic acids and alcohols

	PFA Sulphonic acids	
2041.4-50-ME	Perfluorobutane sulfonic acid	PFBS
2719.4-50-ME	Perfluorobutane sulphonate, potassium salt	
8579.6-50-ME	Perfluorohexane sulfonic acid	PFHS, Please inquire
8581.6-50-ME	Perfluorohexane sulfonic acid, potassium salt	Please inquire
2037.8-50-ME	Perfluorooctane sulfonic acid	PFOS
2193.8-50-ME	Perfluorooctane sulphonate, potassium salt	PFOS-K
8580.8-50-ME	Perfluoro-4-ethylcyclohexane sulfonic acid	Please inquire
2192.8-50-ME	Perfluoro-4-ethylcyclohexane sulphonate, potassium salt	Please inquire
	Telomeric PFA Sulphonic acid	
2559.8-50-ME	1H,1H,2H,2H-Perfluorooctane sulphonate	
	PFA Sulphonamides	
2043.8-50-AN	Perfluorooctane sulfonamide*	FOSA
	PFA Acids	
2190.3-50-ME	Pentafluoropropionic acid, sodium salt	
2810.4-50-ME	Heptafluorobutyric acid	
2189.4-50-ME	Heptafluorobutyric acid, sodium salt	
2834.5-50-ME	5H-Octafluoropentanoic acid	5H PFBA
2819.5-50-ME	n-Nonafluoropentanoic acid	PFPA
2590.6-50-ME	Perfluorohexanoic acid	
2820.7-50-ME	Perfluorocyclohexanoic acid	PFCyHxA
2835.7-50-ME	7H-Perfluoroheptanoic acid	7H PFHPA
2821.7-50-ME	n-Perfluoroheptanoic acid	PFHpA
2042.8-50-ME	n-Perfluorooctanoic acid	PFOA
2822.8-50-ME	n-Perfluorooctanoic acid, ammonium salt	PFOA-NH ₄
2191.8-50-ME	Perfluorooctanoic acid, sodium salt	PFOA-Na
2836.9-50-ME	9H-Perfluorononanoic acid	9H PFNA
2715.9-50-ME	Perfluorononanoic acid	PFNA
2823.10-50-ME	n-Perfluorodecanoic acid	PFDA
2824.10-50-ME	Perfluoro-3,7-dimethyloctanoic acid	PF3,7DiMeOA
2825.11-50-ME	11H-Perfluoroundecanoic acid	11H PFUndA



2874.11-50-ME	Perfluoroundecanoic acid	PFUndA
2826.12-50-ME	<i>n</i> -Perfluorododecanoic acid	PFDodA
2827.14-50-ME	Perfluorotetradecanoic acid	PFTedA
2828.16-50-ME	Perfluorohexadecanoic acid	PFHxdA
2829.18-50-ME	Perfluorooctadecanoic acid	PFOdA
	Telomeric acids	
2830.6-50-ME	2H,2H,3H,3H-Perfluorohexanoic acid	3:3 FTCA
2831.9-50-ME	2H,2H,3H,3H-Perfluorononanoic acid	6:3 FTCA
2832.9-50-ME	1H,1H-Perfluoro-3,5,5-trimethylhexanoic acid	3,5,5-TriMe 5:1 FTCA
8548.10-50-ME	2H,2H-Perfluorodecanoic acid	H2PFDA
8547.11-50-ME	2H,2H,3H,3H-Perfluoroundecanoic acid	H4PFUnA
	Unsaturated telomeric acid	
2833.6-50-ME	2H,3H-Perfluorohex-2-enoic acid	3:3 FTUCA
	PFA Acid Internal standards	
2834.5-50-ME	5H-Octafluoropentanoic acid	5H PFBA
2835.7-50-ME	7H-Perfluoroheptanoic acid	7H PFHPA
2836.9-50-ME	9H-Perfluorononanoic acid	9H PFNA
2825.11-50-ME	11H-Perfluoroundecanoic acid	11H PFUndA

50µg/mL in in methanol (*:in acetonitrile)

	PFA amides	
2837.4-50-ME	Heptafluorobutyramide	
2838.8-50-ME	Perfluorooctanamide	
	PFA alcohols	
	Telomeric alcohols	
2839.4-50-ME	3,3,4,4,4-Pentafluorobutan-1-ol	2:2 FTOH
2860.5-50-ME	1H,1H,5H-Octafluoropentanol-1-ol	5H 4:1 FTOH
2841.6-50-ME	1H,1H,2H,2H,3H,3H-Perfluorohexanol-1-ol	3:3 FTOH
2842.6-50-ME	1H,1H-Perfluorohexanol-1-ol	5:1 FTOH
2861.7-50-ME	1H,1H,7H-Perfluoroheptanol-1-ol	7H 6:1 FTOH
2843.7-50-ME	1H,1H-Perfluoroheptanol-1-ol	6:1 FTOH
2147.8-50-ME	1H,1H,2H,2H-Perfluorooctanol-1-ol	6:2 FTOH
2146.8-50-ME	1H,1H,8H-Perfluorooctanol-1-ol	8H 7:1 FTOH
2145.8-50-ME	1H,1H-Perfluorooctanol-1-ol	7:1 FTOH
2844.9-50-ME	1H,1H,2H,2H,3H,3H-Perfluorononanol-1-ol	6:3 FTOH
2847.9-50-ME	1H,1H,2H,2H-Perfluoro-7-methyloctanol-1-ol	7Me 6:1 FTOH
2846.9-50-ME	1H,1H,9H-Perfluorononanol-1-ol	9H 8:1 FTOH
2845.9-50-ME	1H,1H-Perfluorononanol-1-ol	8:1 FTOH
2851.10-50-ME	1H,1H,10H,10H-Perfluoro-1,10-decanediol	1:8:1 FTdiOH
2849.10-50-ME	1H,1H,2H,2H-Perfluorodecanol-1-ol	8:2 FTOH
2848.10-50-ME	1H,1H-Perfluorodecanol-1-ol	9:1 FTOH
2850.10-50-ME	1H,1H-Perfluoro-3,7-dimethyloctanol-1-ol	3,7-DiMe 7:1 FTOH
2854.11-50-ME	1H,1H,2H,2H-Perfluoro-9-methyldecanol-1-ol	9Me 8:2 FTOH
2853.11-50-ME	1H,1H,11H-Perfluoroundecanol-1-ol	11H 10:1 FTOH
2852.11-50-ME	1H,1H-Perfluoroundecanol-1-ol	10:1 FTOH
2767.12-50-ME	1H,1H,2H,2H-Perfluorododecanol-1-ol	10:2 FTOH
3821.13-50-ME	1H,1H,13H-Perfluorotridecanol-1-ol	13H 12:1 FTOH
2855.14-50-ME	1H,1H-Perfluorotetradecanol-1-ol	13:1 FTOH
2856.16-50-ME	1H,1H-Perfluorohexadecanol-1-ol	15:1 FTOH
2857.18-50-ME	1H,1H-Perfluorooctadecanol-1-ol	17:1 FTOH
	Allylic alcohols	
2858.6-50-ME	1H,1H,2H,3H-Perfluorohex-2-en-1-ol	Allylic 3:3 FTOH
2859.9-50-ME	1H,1H,2H,3H-Perfluoronon-2-en-1-ol	Allylic 6:3 FTOH
	Internal Standards	
2860.5-50-ME	1H,1H,5H-Octafluoropentanol-1-ol	5H 4:1 FTOH
2861.7-50-ME	1H,1H,7H-Perfluoroheptanol-1-ol	7H 6:1 FTOH
2146.8-50-ME	1H,1H,8H-Perfluorooctanol-1-ol	8H 7:1 FTOH
	PFA aldehydes	
2862.7-50-ME	7H-Perfluoroheptanal	

Other relevant fluorocarbons

	Fluoroalkanes		
8400.6-1ML	Perfluoro- <i>n</i> -hexane	8409.15-100MG	Perfluoro- <i>n</i> -pentadecane
8401.7-1ML	Perfluoroheptane, isomer mixture	8410.16-100MG	Perfluoro- <i>n</i> -hexadecane
8402.8-1ML	Perfluoro- <i>n</i> -octane	8414.20-100MG	Perfluoro- <i>n</i> -eicosane
8403.9-1ML	Perfluoro- <i>n</i> -nonane	8415.12-KIT	Perfluoroalkane Kit
8404.10-100MG	Perfluoro- <i>n</i> -decane		Cyclic Fluoroalkanes/PAHs Perfluorodecalin (mix E/Z) Perfluoro(ethylidimethyldecalin) Perfluoroperhydrophenanthrene Perfluoronaphthalene
8405.11-1G	1H-Perfluoro- <i>n</i> -undecane	8416.10-10G	
8406.12-100MG	Perfluoro- <i>n</i> -dodecane	8417.14-10G	
8407.13-1G	Perfluoro- <i>n</i> -tridecane	8418.14-10G	
8408.14-100MG	Perfluoro- <i>n</i> -tetradecane	8029.10-10G	