

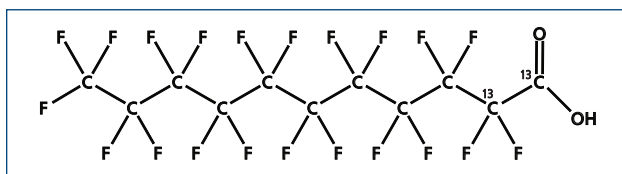


NEW PRODUCTS

NEW MASS-LABELLED FLUORINATED REFERENCE STANDARDS

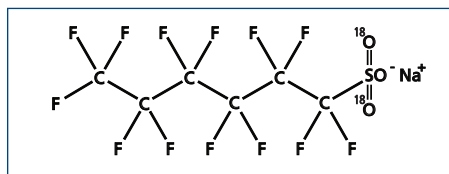
Perfluoroalkyl substances are now known as globally-distributed, anthropogenic contaminants. Studies concerning their presence and quantification in the environment have increased rapidly in recent years.

In order to provide the research and analytical communities with a more extensive selection of fluorinated reference standards, **Wellington** has recently added two more mass-labelled fluorinated standards to our product inventory.



Perfluoro-n-[1,2-¹³C₂]undecanoic acid (**MPFUdA**)

PFUdA is a perfluoroalkyl carboxylic acid that is being found in wildlife and in humans.



Sodium perfluoro-1-hexane[¹⁸O₂]sulfonate (**MPFHxS**)

Perfluorohexanesulfonate (PFHxS) is a residual by-product of PFOS-related production that has been detected in the environment.

NEW NATIVE FLUORINATED SOLUTION/MIXTURES

Wellington has also now prepared 2 solution/mixtures of native perfluorinated compounds. **PFC-MXA** contains the C4 to C14 perfluorocarboxylates, while **PFS-MXA** combines the linear isomers of the C4, C6, C7, C8 and C10 sulfonates.

Please see the following page for a complete listing of our native and mass-labelled Perfluoroalkylsulfonates and Perfluorocarboxylates.

For pricing and delivery information please contact the distributor that serves your area, or by e-mail at info@well-labs.com

MASS-LABELLED PERFLUOROCARBOXYLIC ACIDS

Catalogue Number	Product	Qty/Conc
MPFBA	Perfluoro-n-[1,2,3,4- ¹³ C ₄]butanoic acid (in methanol)	1.2 ml 50 µg/ml
MPFHxA	Perfluoro-n-[1,2- ¹³ C ₂]hexanoic acid (in methanol)	1.2 ml 50 µg/ml
MPFOA	Perfluoro-n-[1,2,3,4- ¹³ C ₄]octanoic acid (in methanol)	1.2 ml 50 µg/ml
MPFNA	Perfluoro-n-[1,2,3,4,5- ¹³ C ₅]nonanoic acid (in methanol)	1.2 ml 50 µg/ml
MPFDA	Perfluoro-n-[1,2- ¹³ C ₂]decanoic acid (in methanol)	1.2 ml 50 µg/ml
MPFDA-A	Perfluoro-n-[1,2- ¹³ C ₂]decanoic acid (in acetonitrile)	1.2 ml 50 µg/ml
MPFUdA	Perfluoro-n-[1,2- ¹³ C ₂]undecanoic acid (in methanol)	1.2 ml 50 µg/ml
MPFDoA	Perfluoro-n-[1,2- ¹³ C ₂]dodecanoic acid (in methanol)	1.2 ml 50 µg/ml

PERFLUOROCARBOXYLIC ACIDS

Catalogue Number	Product (methanol solution)	Qty/Conc
PFBA	Perfluoro-n-butanoic acid	1.2 ml 50 µg/ml
PFPeA	Perfluoro-n-pentanoic acid	1.2 ml 50 µg/ml
PFHxA	Perfluoro-n-hexanoic acid	1.2 ml 50 µg/ml
PFHpA	Perfluoro-n-heptanoic acid	1.2 ml 50 µg/ml
PFOA	Perfluoro-n-octanoic acid	1.2 ml 50 µg/ml
PFNA	Perfluoro-n-nonanoic acid	1.2 ml 50 µg/ml
PFDA	Perfluoro-n-decanoic acid	1.2 ml 50 µg/ml
PFUdA	Perfluoro-n-undecanoic acid	1.2 ml 50 µg/ml
PFDoA	Perfluoro-n-dodecanoic acid	1.2 ml 50 µg/ml
PFTrDA	Perfluoro-n-tridecanoic acid	1.2 ml 50 µg/ml
PFTeDA	Perfluoro-n-tetradecanoic acid	1.2 ml 50 µg/ml

PERFLUOROCARBOXYLIC ACIDS: SOLUTION/MIXTURE

Catalogue Number	Product (methanol solution)	Qty/Conc
PFC-MXA	Native PFCA Solution/Mixture	1.2 ml
	Perfluoro-n-butanoic acid	2 µg/ml
	Perfluoro-n-pentanoic acid	2 µg/ml
	Perfluoro-n-hexanoic acid	2 µg/ml
	Perfluoro-n-heptanoic acid	2 µg/ml
	Perfluoro-n-octanoic acid	2 µg/ml
	Perfluoro-n-nonanoic acid	2 µg/ml
	Perfluoro-n-decanoic acid	2 µg/ml
	Perfluoro-n-undecanoic acid	2 µg/ml
	Perfluoro-n-dodecanoic acid	2 µg/ml
	Perfluoro-n-tridecanoic acid	2 µg/ml
	Perfluoro-n-tetradecanoic acid	2 µg/ml



MASS-LABELLED PERFLUOROALKANESULFONATES

Catalogue Number	Product (methanol solution)	Qty/Conc
MPFHxS	Sodium perfluoro-1-hexane[¹⁸ O ₂]sulfonate	1.2 ml 50 µg/ml
MPFOS	Sodium perfluoro-1-[1,2,3,4- ¹³ C ₄]octanesulfonate	1.2 ml 50 µg/ml

NATIVE PERFLUOROALKANESULFONATES

Catalogue Number	Product (methanol solution)	Qty/Conc
L-PFBS	Potassium perfluoro-1-butanefluorobutanesulfonate	1.2 ml 50 µg/ml
L-PFHxS	Sodium perfluoro-1-hexanesulfonate	1.2 ml 50 µg/ml
L-PFHpS	Sodium perfluoro-1-heptanesulfonate	1.2 ml 50 µg/ml
L-PFOS	Sodium perfluoro-1-octanesulfonate	1.2 ml 50 µg/ml
L-PFOSK	Potassium perfluoro-1-octanesulfonate	1.2 ml 50 µg/ml
brPFOSK	Potassium perfluorooctanesulfonate (>98% Total PFOS)	1.2 ml 50 µg/ml
T-PFOS	Potassium perfluorooctanesulfonate (Technical Grade)	1.2 ml 50 µg/ml
ipPFNS	Sodium perfluoro-7-methyloctanesulfonate	1.2 ml 50 µg/ml
L-PFDS	Sodium perfluoro-1-decanesulfonate	1.2 ml 50 µg/ml

PERFLUOROALKANESULFONATES: SOLUTION/MIXTURE

Catalogue Number	Product (methanol solution)	Qty/Conc
PFS-MXA	Native PFAS Solution/Mixture	1.2 ml
	Potassium perfluoro-1-butanefluorobutanesulfonate	2 µg/ml
	Sodium perfluoro-1-hexanesulfonate	2 µg/ml
	Sodium perfluoro-1-heptanesulfonate	2 µg/ml
	Sodium perfluoro-1-octanesulfonate	2 µg/ml
	Sodium perfluoro-1-decanesulfonate	2 µg/ml

