

ENVIRONMENTAL

## Advance Environmental Health & Safety with PFAS Testing

PFAS testing can be highly challenging which is why we make it easier with our convenient portfolio of PFAS reference materials. Advance environmental and health safety with standards you can trust.

### Featured Products:

- PFPeS
- PFTrDA
- HFPO-DA

### PFAS CRMs:

- Various singles available
- 50-100 µg/mL in assorted solvents
- Useful for various matrices
- Custom standards of other PFAS compounds available on demand



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**ADONA**

Volume: 1 mL

| Part No.      | Description                             | Synonym | CAS No.      | Concentration       | Matrix   |
|---------------|---|---------|--------------|---------------------|----------|
| 14176.7-50-ME | Sodium dodecafluoro-3H-4,8-dioxanonoate | NaDONA  | 2250081-67-3 | 50 µg conj. base/mL | Methanol |

**Carboxylic acids**

Volume: 1 mL

| Part No.       | Description   | Synonym | CAS No.    | Concentration | Matrix   |
|----------------|---|---------|------------|---------------|----------|
| 15118.2-50-ME  | Perfluoroethanoic acid                              | PFEA    | 76-05-1    | 50 µg/mL      | Methanol |
| 11367.13-50-ME | Perfluorotridecanoic acid, <i>n</i> -isomer (major) | PFTrDA  | 72629-94-8 | 50 µg/mL      | Methanol |

**PFA esters of telomeric alcohols**

Volume: 1 mL

| Part No.      | Description   | Synonym   | CAS No.   | Concentration | Matrix    |
|---------------|---|-----------|-----------|---------------|-----------|
| 9519.14-50-IO | 1H,1H,2H,2H-Perfluoro- <i>n</i> -decyl methacrylate | 8:2 FTMAC | 1996-88-9 | 50 µg/mL      | Isooctane |

**GenX related**

Volume: 1 mL

| Part No.       | Description   | Synonym | CAS No.    | Concentration | Matrix   |
|----------------|---|---------|------------|---------------|----------|
| 14110.6-100-ME | 2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy) propionic acid | HFPO-DA | 13252-13-6 | 100 µg/mL     | Methanol |

**Carboxylic acid ethers**

Volume: 1 mL

| Part No.       | Description                       | Synonym | CAS No.     | Concentration | Matrix   |
|----------------|-----------------------------------|---------|-------------|---------------|----------|
| 15129.3-50-ME  | Perfluoro-2-methoxyacetic acid    | PFMOAA  | 674-13-5    | 50 µg/mL      | Methanol |
| 14721.4-50-ME  | Perfluoro-3-methoxypropanoic acid | PFMPA   | 377-73-1    | 50 µg/mL      | Methanol |
| 14056.5-50-ME  | Perfluoro-4-methoxybutanoic acid  | PFMOBA  | 863090-89-5 | 50 µg/mL      | Methanol |
| 15413.5-100-ME | Perfluoro-3,6-dioxaheptanoic acid | NFDHA   | 151772-58-6 | 100 µg/mL     | Methanol |

## Sulfonamides

Volume: 1 mL

| Part No.       | Description   | Synonym             | CAS No.      | Concentration | Matrix       |
|----------------|---|---------------------|--------------|---------------|--------------|
| 14902.6-50-ME  | <i>n</i> -Perfluorohexanesulfonamide                                      | FHSA                | 41997-13-1   | 50 µg/mL      | Methanol     |
| 13587.10-50-AN | <i>N</i> -Ethylperfluorooctanesulfonamide, isomer mix                     | <i>N</i> -EtFOSA    | -            | 50 µg/mL      | Acetonitrile |
| 13412.10-50-AN | <i>N</i> -Ethyl- <i>n</i> -perfluorooctanesulfonamide-d5                  | <i>N</i> -EtFOSA-d5 | 936109-40-9  | 50 µg/mL      | Acetonitrile |
| 11931.12-50-AN | <i>N</i> -Ethyl- <i>N</i> -(2-hydroxyethyl)perfluorooctanesulphonamide    | <i>N</i> -EtFOSE    | 1691-99-2    | 50 µg/mL      | Acetonitrile |
| 14848.12-50-ME | <i>N</i> -Ethyl- <i>N</i> -(2-hydroxyethyl)perfluorooctanesulphonamide-d9 | <i>N</i> -EtFOSE-d9 | 1691-99-2    | 50 µg/mL      | Methanol     |
| 14952.5-50-ME  | <i>N</i> -Methyl- <i>n</i> -perfluorobutanesulfonamide-d3                 | MeFBSA-d3           | -            | 50 µg/mL      | Methanol     |
| 14905.7-50-ME  | <i>N</i> -Methyl- <i>n</i> -perfluorohexanesulfonamide-d3                 | <i>N</i> -MeFHSA-d3 | -            | 50 µg/mL      | Methanol     |
| 13580.9-50-AN  | <i>N</i> -Methylperfluorooctanesulfonamide, isomer mix                    | <i>N</i> -MeFOSA    | -            | 50 µg/mL      | Acetonitrile |
| 13260.9-50-AN  | <i>N</i> -Methyl- <i>n</i> -perfluorooctanesulfonamide-d3                 | <i>N</i> -MeFOSA-d3 | 936109-37-4  | 50 µg/mL      | Acetonitrile |
| 13579.9-50-AN  | <i>N</i> -Methylperfluorooctanesulfonamide-d3, isomer mix                 | <i>N</i> -MeFOSA-d3 | -            | 50 µg/mL      | Acetonitrile |
| 15255.9-50-AN  | <i>N</i> -(2-Hydroxyethyl)- <i>N</i> -methylperfluorohexanesulfonamide    | <i>N</i> -MeFHxSE   | 68555-75-9   | 50 µg/mL      | Acetonitrile |
| 14846.11-50-ME | <i>N</i> -(2-Hydroxyethyl)- <i>N</i> -methylperfluorooctanesulfonamide-d7 | <i>N</i> -MeFOSE-d7 | 1265205-95-5 | 50 µg/mL      | Methanol     |
| 14953.6-50-AN  | <i>N</i> -Ethyl- <i>n</i> -perfluorobutanesulfonamide                     | <i>N</i> -EtFBSA    | 40630-67-9   | 50 µg/mL      | Acetonitrile |

## Sulfonic acids

Volume: 1 mL

| Chiron No.     | Description   | Synonym  | CAS No.     | Concentration       | Matrix   |
|----------------|---|----------|-------------|---------------------|----------|
| 15140.2-50-ME  | Perfluoroethanesulfonic acid, potassium salt              | PFES-K   | 2837-92-5   | 50 µg conj. base/mL | Methanol |
| 15263.5-50-ME  | Perfluoropentanesulfonic acid                             | PFPeS    | 2706-91-4   | 50 µg/mL            | Methanol |
| 14717.30-50-ME | Didecyldimethylammonium perfluorooctane sulfonate         | PFOS-N   | 251099-16-8 | 50 µg/mL            | Methanol |
| 2192.8-50-ME   | Perfluoro-4-ethylcyclohexanesulfonic acid, potassium salt | PFECHS-K | 335-24-0    | 50 µg conj. base/mL | Methanol |
| 14963.12-50-ME | Perfluorododecanesulfonic acid                            | PFDoDS   | 79780-39-5  | 50 µg/mL            | Methanol |

## Sulfonyl acrylates

Volume: 1 mL

| Chiron No.     | Description  | Synonym   | CAS No.    | Concentration | Matrix    |
|----------------|--|-----------|------------|---------------|-----------|
| 15341.15-50-IO | <i>N</i> -Ethylperfluorooctanesulfonamidoethyl acrylate      | EtFOSEA   | 423-82-5   | 50 µg/mL      | Isooctane |
| 11857.12-50-IO | <i>N</i> -Methylperfluorohexanesulphonamidoethyl acrylate    | MeFHxSEA  | 67584-57-0 | 50 µg/mL      | Isooctane |
| 15067.14-50-IO | <i>N</i> -Methylperfluorooctanesulfonamidoethyl acrylate     | MeFOSEA   | 25268-77-3 | 50 µg/mL      | Isooctane |
| 15351.14-50-IO | <i>N</i> -Ethylperfluorohexanesulphonamidoethyl methacrylate | EtFHxSEMA | 67906-70-1 | 50 µg/mL      | Isooctane |

## Sulfonylglycines

Volume: 1 mL

| Chiron No.     | Description   | Synonym               | CAS No.      | Concentration | Matrix       |
|----------------|---|-----------------------|--------------|---------------|--------------|
| 14901.6-50-ME  | <i>N</i> -Perfluorobutanesulfonylglycine                      | FBSAA                 | 347872-22-4  | 50 µg/mL      | Methanol     |
| 14957.8-50-ME  | <i>N</i> -Perfluorohexanesulfonylglycine                      | FHxSAA                | 1003193-99-4 | 50 µg/mL      | Methanol     |
| 14526.10-50-AN | <i>N</i> -Perfluorooctanesulfonylglycine                      | FOSAA                 | 2806-24-8    | 50 µg/mL      | Acetonitrile |
| 14960.10-50-ME | <i>N</i> -Ethyl- <i>n</i> -perfluorohexanesulfonylglycine     | <i>N</i> -EtFHSAA     | 68957-32-4   | 50 µg/mL      | Methanol     |
| 13413.12-50-ME | <i>N</i> -Ethyl- <i>n</i> -perfluorooctanesulfonylglycine-d5  | <i>N</i> -EtFOSAA-d5  | 1265205-97-7 | 50 µg/mL      | Methanol     |
| 14949.7-50-ME  | <i>N</i> -Methyl- <i>n</i> -perfluorobutanesulfonylglycine-d3 | <i>N</i> -MeFBSAA-d3  | -            | 50 µg/mL      | Methanol     |
| 14950.9-50-ME  | <i>N</i> -Methyl- <i>n</i> -perfluorohexanesulfonylglycine    | <i>N</i> -MeFHxSAA    | 715646-50-7  | 50 µg/mL      | Methanol     |
| 14951.9-50-ME  | <i>N</i> -Methyl- <i>n</i> -perfluorohexanesulfonylglycine-d3 | <i>N</i> -MeFHxSAA-d3 | -            | 50 µg/mL      | Methanol     |

## Telomeric acids

Volume: 1 mL

| Chiron No.     | Description                        | Synonym  | CAS No.     | Concentration | Matrix   |
|----------------|------------------------------------|----------|-------------|---------------|----------|
| 15034.8-50-ME  | 2H,2H-Perfluorooctanoic acid       | 6:2 FTCA | 53826-12-3  | 50 µg/mL      | Methanol |
| 8548.10-50-ME  | 2H,2H-Perfluorodecanoic acid       | 8:2 FTCA | 27854-31-5  | 50 µg/mL      | Methanol |
| 2830.6-50-ME   | 2H,2H,3H,3H-Perfluorohexanoic acid | 3:3 FTCA | 356-02-5    | 50 µg/mL      | Methanol |
| 14847.8-50-ME  | 2H,2H,3H,3H-Perfluorooctanoic acid | 5:3 FTCA | 914637-49-3 | 50 µg/mL      | Methanol |
| 15417.10-50-ME | 2H,2H,3H,3H-Perfluorodecanoic acid | 7:3 FTCA | 812-70-4    | 50 µg/mL      | Methanol |

## Telomeric alcohols

Volume: 1 mL

| Chiron No.   | Description                              | Synonym      | CAS No.    | Concentration | Matrix   |
|--------------|--|--------------|------------|---------------|----------|
| 2844.9-50-ME | 1H,1H,2H,2H,3H,3H-Perfluorononan-1-ol    | 6:3 FTOH     | 80806-68-4 | 50 µg/mL      | Methanol |
| 2847.9-50-ME | 1H,1H,2H,2H-Perfluoro-7-methyloctan-1-ol | 7Me 6:1 FTOH | 20015-46-7 | 50 µg/mL      | Methanol |

## Unsaturated telomeric acids

Volume: 1 mL

| Chiron No.     | Description                    | Synonym    | CAS No.    | Concentration | Matrix   |
|----------------|--------------------------------|------------|------------|---------------|----------|
| 15264.8-50-ME  | 2H-Perfluoro-2-octenoic acid   | 6:2 FTUCA  | 70887-88-6 | 50 µg/mL      | Methanol |
| 14173.10-50-ME | 2H-Perfluoro-2-decenoic acid   | 8:2 FTUCA  | 70887-84-2 | 50 µg/mL      | Methanol |
| 14474.12-50-ME | 2H-Perfluoro-2-dodecenoic acid | 10:2 FTUCA | 70887-94-4 | 50 µg/mL      | Methanol |

## XH perfluorocarboxylic acids

Volume: 1 mL

| Chiron No.    | Description               | Synonym | CAS No.    | Concentration | Matrix   |
|---------------|---------------------------|---------|------------|---------------|----------|
| 15053.8-50-ME | 8H-Perfluorooctanoic acid | 8H PFOA | 13973-14-3 | 50 µg/mL      | Methanol |



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