



Deuterated Compounds



NMR-Solvents



Deuterated Building Blocks



Deuterated Reagents

ZEOCHEM – Deuterated Compounds

ZEOCHEM AG is a subsidiary of CPH Chemie + Papier Holding AG, a Swiss public company founded in 1817. Since the 1970s and on the basis of its outstanding professional expertise, Zeochem (formerly known as CU Deutero + Agro AG) has manufactured Deuterated Compounds used as solvents in NMR spectroscopy, R&D and as building blocks in APIs

(active pharmaceutical ingredients), as well as for the synthesis of organic light-emitting diodes (OLED). In March 2018, Zeochem acquired the assets from the Swiss company Armar AG. Armar was founded in 1986 and had a long-term cooperation with Zeochem in the production of Deuterated Compounds.



NMR-Solvents Standard Product Range

Standard Product Range

Zeochem's standard product range covers the daily requirements of NMR end users. Products are pre-packed in custom-designed packaging.

They are always in stock, immediately dispatched and there is no required minimum order quantity.

Packaging and Size

	Purity (atom%D)	Ampoule 10 x 0.75 ml	Bottle 10 ml	Bottle 25 ml	Bottle 100 ml	Bottle 500 ml	Bottle 1000 ml
Acetone-d ₆	99.8		■	■			
Acetonitrile-d ₃	99.8		■	■			
Benzene-d ₆	99.5		■	■			
Chloroform-d	99.8	■			■		
Chloroform-d, stab. with Ag	99.8			■	■	■	
Chloroform-d, cont. 0.03% v/v% TMS	99.8				■		
Chloroform-d, cont. 0.03 v/v% TMS, stab. with Ag	99.8				■		
Deuterium oxide	99.9	■	■	■	■	■	■
Dichloromethane-d ₂	99.8	■	■	■			
Dimethyl-d ₆ sulfoxide	99.8	■	■	■	■		
Dimethyl-d ₆ sulfoxide, cont. 0.03 v/v% TMS	99.8	■	■	■			
Dimethyl-d ₆ sulfoxide	99.9	■	■	■			
Dimethyl-d ₆ sulfoxide, cont. 0.03 v/v% TMS	99.9	■					
N,N-Dimethylformamide-d ₇	99.5	■	■				
Methanol-d ₄	99.8	■	■	■			
Methanol-d ₄ , cont. 0.03 v/v% TMS	99.8	■	■				
1,1,2,2-Tetrachloroethane-d ₂	99.5	■	■				
Tetrahydrofuran-d ₈	99.5	■	■				

NMR-Solvents Extended Product Range

Extended Product Range

Zeochem's extended product range has a mix and match structure. Product, quality and type, as well as packaging size, can be separately specified.

All packaging sizes, according to the diagram standard product range, are readily available. An extended product is subject to a minimum order quantity and a longer delivery time.

Purity (atom%D)

	99	99.5	99.8	99.9	99.95
Acetic acid-d ₄		■			
Acetone-d ₆				■	■
Acetonitrile-d ₃				■	■
Benzene-d ₆			■		■
Bromobenzene-d ₅		■			
Chlorobenzene-d ₅	■				
Chloroform-d					■
Cyclohexane-d ₁₂		■			
Deuterium oxide					■
1,2-Dichlorobenzene-d ₄	■				
Dichloromethane-d ₂				■	■
N,N-Dimethylacetamide-d ₉	■				
Dimethyl-d ₆ sulfoxide					■
Ethanol-d ₆	■				
Methanol-d ₄					■
Nitromethane-d ₃		■			
1,1,1,3,3,3-Hexafluoro-2-propanol-d ₂	■				
Pyridine-d ₅			■		■
Tetrahydrofuran-d ₈					■
Toluene-d ₆		■	■		■
Trifluoroacetic acid-d		■			

Deuterated Building Blocks / Reagents

Deuterated Building Blocks / Reagents

Zeochem AG is a leading company worldwide for Deuterated Building Blocks, as well as Deuterated Reagents in BULK quantities. All products are Swiss made and produced at our most modern production plant in Rüti.

Product	Cas
Acetic acid-d	758-12-3
Acetic-d ₃ acid-d	1186-52-3
Acetic anhydride-d ₆	16649-49-3
Acetone-d ₆	666-52-4
Aceto-d ₃ phenone	17537-31-4
Acetophenone-2'3'4'5'6-d ₅	28077-64-7
Acetophenone-d ₆	19547-00-3
Acetylchloride-d ₃	19259-90-6
Ammonia-d ₃ (gas)	13550-49-7
Ammonium-d ₄ deuterioxide, 25 wt% in Deuterium oxide	12168-30-8
Ammonium-d ₄ formate-d	65387-23-7
Aniline-2'3'4'5'6-d ₅	4165-61-1
Aniline-d ₇	14545-23-4
Benzene-d ₆	1076-43-3
Biphenyl-d ₁₀	1486-01-7
Bromobenzene-d ₅	4165-57-5
Bromocyclopentane-d ₉	35468-44-1
Bromoform-d	2909-52-6
1-Butanol-d ₁	225-201-3
t-Butanol-d ₁	3972-25-6
Chlorobenzene-d ₅	3114-55-4
Deuterium (gas)	7782-39-0
Deuterium bromide, 46 wt% in Deuterium oxide	13536-59-9
Deuterium chloride, 20 - 38 wt% in Deuterium oxide	7698-05-7
Deuterium oxide (Water-d ₂ , Heavy Water)	7789-20-0
1,4-Dibromobenzene-d ₄	4165-56-4
1,2-Dichlorobenzene-d ₄	2199-69-1
1,4-Dichlorobenzene-d ₄	3855-82-1
Dimethyl-d ₆ amine hydrochloride	53170-19-7
Dimethylcarbonate-d ₆	n.a.
N,N-Dimethylformamide-d ₁ (DMF-d ₁)	2914-27-4
N,N-Dimethyl-d ₆ -formamide (DMF-d ₆)	185990-36-7
Dimethylsulfate-d ₆	15199-43-6
Dimethyl-d ₆ sulfoxide (DMSO-d ₆)	2206-27-1
Ethyl alcohol-d, anhydrous	925-93-9
Ethyl-d ₅ alcohol-d, anhydrous	1516-08-1
Fluorobenzene-d ₅	1423-10-5
Formic-d acid, 95 wt% in Water	917-71-5

Product	Cas
Formic acid-d, 95 wt% in Deuterium oxide	925-94-0
Formic-d acid-d, 95 wt% in Deuterium oxide	920-42-3
Furan-d ₄ , stab.	6142-90-1
Hexafluoroacetone trideuterate	109640-39-3
Hexamethylphosphoricacid triamide-d ₁₈ (HMPT-d ₁₈)	n.a.
Iodoethane-d ₅	6485-58-1
Iodomethane-d ₃	865-50-9
Malonic-d ₂ acid-d ₂	813-56-9
Methyl alcohol-d	1455-13-6
Methyl-d ₃ alcohol	1849-29-2
Methyl-d ₃ alcohol-d	811-98-3
Nitric acid-d, 65 wt% in Deuterium oxide	13587-52-5
Nitrobenzene-d ₅	4165-60-0
Phenyl-d ₅ -boronic acid	215527-70-1
(±)-1-Phenylethan-d ₉ -ol	n.a.
Phosphoric acid-d ₃ , 85 wt% in Deuterium oxide	14335-33-2
Potassium deuterioxide, 30 wt% in Deuterium oxide	24572-01-8
1-Propanol-d ₁	4712-36-1
2-Propanol-d ₁	3979-51-9
2-Propanol-d ₇	19214-96-1
Pyridine-d ₅	7291-22-7
Sodiumacetate-d ₃	39230-37-0
Sodium borodeuteride	15681-89-7
Sodium deuterioxide, 30 - 40 wt% in Deuterium oxide	14014-06-3
Sodium formate-d	3996-15-4
Styrene-d ₃ , stab.	3814-93-5
Styrene-d ₅ , stab.	5161-29-5
Styrene-d ₈ , stab.	19361-62-7
Sulfuric acid-d ₂ , 98 wt% in Deuterium oxide	13813-19-9
Toluene-d ₈	2037-26-5
1,3,5-Trichlorobenzene-d ₃	1198-60-3
Trifluoroacetic acid-d (TFA-d)	599-00-8
3-(Trimethylsilyl)-1-propanesulfonic acid sodium salt (DSS)	2039-96-5
3-(Trimethylsilyl)propionic-2,2,3,3-d ₄ acid sodium salt (TSP-d ₄)	24493-21-8
Urea-d ₄	1433-11-0

Quality

Our products are analyzed and certified by our state-of-the-art quality control lab. Zeochem AG use its own test methods and applies proprietary test procedures specific to customer applications to ensure that our products enable the expected performance.

Zeochem AG is ISO 9001:2015 certified.

Environment

Zeochem AG meets or exceeds all requirements set by the Swiss authorities and regards the careful use of natural resources and safe production processes, as well as ensuring minimal pollution among its critical goals.

The company is a member of the Swiss Private Sector Energy Agency and is committed to the principles of «Responsible Care».

We would be happy to meet your project requirements.

Please contact Zeochem to outline your needs.

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ZEOCHEM[®]



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