



ZEOTOPE®



## PRODUCT LIST

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Chemistry. Pure. Efficient.

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Your trusted partner in NMR-analytics for  
NMR-Solvents, Deuterium Labeled Compounds & NMR-Tubes

ZEOCHEM®

A Company of CPHChemie & Papier Holding AG

# ZEOtope®

We are pleased to introduce new products to complement the range of deuterated solvents offered in the ZEOtope portfolio. Expanding our product offerings to include accessories needed daily in the NMR laboratory, we are proud to continue serving as a single-sourcing partner for NMR users. All NPI enhancements are continuously updated on our website at [www.ZEOtope.com](http://www.ZEOtope.com). We would be happy to meet the needs and requirements of your next project.

## Try the ZEOtope® Ampoule Opener!

This tool aids in handling ampoules and protects the user from potential safety injuries when opening. Made of high-quality aluminum, the ampoule opener is also easy to use and is made for durability.



## ZEOtube, “The Reference” regarding NMR-Tubes!

The NMR-Tubes are a great addition to our variety of products. The tubes are manufactured in accordance with the highest quality standards, granting full transparency through batch allocation. ZEOtubes are available in three of the most commonly used tube types – Throw Away (TA), High Precision – 400 MHz (HP), and Ultra Precision - 600 MHz (UP), each with a 5mm diameter and a length of 178mm.



## Bulk Quantities

Looking for specific packaging requirements? All products are available in bulk and available in various packaging units ranging from glass bottles to 200-liter drums.



# PRODUCTS

## NMR Solvents & Deuterium Labeled Compounds

Product	CAS #	Purity	Material #	Package Size
Acetic acid-d	758-12-3	99.5 atom%D	300525	25 ml
Acetic acid-d <sub>4</sub>	1186-52-3	99.5 atom%D	300483	10 x 0.75 ml
			300838	10 ml
Acetic anhydride-d <sub>6</sub>	11649-49-3	99.5 atom%D	300357	5 ml
Acetone-d <sub>6</sub>	666-52-4	99.8 atom%D	300364	10 x 0.6 ml
			300484	10 x 0.75 ml
			300531	10 ml
			300820	25 ml
			300532	50 ml
		99.9 atom%D	300485	10 x 0.75 ml
			300366	25 ml
Acetonitrile-d <sub>3</sub>	2206-26-0	99.5 atom%D	300541	25 ml
		99.8 atom%D	300836	10 x 0.6 ml
			300486	10 x 0.75 ml
			300542	10 ml
		99.9 atom%D	300543	25 ml
	300544	10 ml		
Acetophenone-d <sub>8</sub>	19547-00-3	98 atom%D	300548	5 ml
Acetylchloride-d <sub>3</sub>	19259-90-6	99 atom%D	301693	5 ml (ampule)
Ammonia-d <sub>3</sub> solution, 25 wt% in Deuterium oxide	12168-30-8	99.5 atom%D	300813	25 ml
Ammonium formate-d <sub>5</sub>	65387-23-7	98 atom%D	300559	5 g
Aniline-2,3,4,5,6-d <sub>5</sub>	4165-61-1	98 atom%D	300564	5 ml
Aniline-d <sub>7</sub>	14545-23-4	98 atom%D	300566	5 ml
Benzene-d <sub>6</sub>	1076-43-3	99.5 atom%D	301933	10 x 0.6 ml
			300464	10 x 0.75 ml
			300570	10 ml
			301240	25 ml
			300571	50 ml
			300815	100 ml
		99.8 atom%D	301925	10 x 0.6 ml
			300572	10 x 0.75 ml
Biphenyl-d <sub>10</sub>	1486-01-7	99 atom%D	300578	1 g
Bromobenzene-d <sub>5</sub>	4165-57-5	99.5 atom%D	300580	10 ml
Bromoform-d, stabilized with Cu	2909-52-6	99.5 atom%D	300583	10 g
Chlorobenzene-d <sub>5</sub>	3114-55-4	99 atom%D	300585	5 ml

Product	CAS #	Purity	Material #	Package Size	
Chloroform-d	865-49-6	99.8 atom%D	301934	10 x 0.6 ml	
			300586	10 x 0.75 ml	
			300816	100 ml	
Chloroform-d, stabilized with Ag	865-49-6	99.8 atom%D	300349	25 ml	
			300588	100 ml	
			300590	500 ml	
Chloroform-d, contains 0.03 v/v%TMS	865-49-6	99.8 atom%D	301772	10 x 0.6 ml	
			300489	10 x 0.75 ml	
			300465	100 ml	
Chloroform-d, contains 0.03 v/v%TMS, stabilized with Ag	865-49-6	99.8 atom%D	300584	100 ml	
			301367	500 ml	
Cyclohexane-d <sub>12</sub>	1735-17-7	99.5 atom%D	300593	5 ml	
Deuterium chloride, 1 M in Deuteriumoxide	7698-05-7	99.8 atom%D	300597	100 ml	
Deuterium chloride, 20 wt% in Deuteriumoxide	7698-05-7	99.5 atom%D	300600	25 ml	
Deuterium chloride, 38 wt% in Deuteriumoxide	7698-05-7	99.5 atom%D	300602	50 ml	
Deuterium oxide (D <sub>2</sub> O)	7789-20-0	99.9 atom%D	301935	10 x 0.6 ml	
			301400	10 x 0.75 ml	
			301496	10 ml	
			300367	10 ml (septum)	
			301401	25 ml	
			300368	100 ml	
			301485	500 ml	
			301689	1 L	
			99.95 atom%D	301936	10 x 0.6 ml
			300616	10 x 0.75 ml	
300369	100 ml				
1,4-Dibromobenzene-d <sub>4</sub>	4165-56-4	99 atom%D	300634	5 g	
1,2-Dichlorobenzene-d <sub>4</sub>	2199-69-1	99 atom%D	300628	5 ml	
1,4-Dichlorobenzene-d <sub>4</sub>	3855-82-1	98 atom%D	300636	5 g	
Dichloromethane-d <sub>2</sub>	1665-00-5	99.5 atom%D	300643	5 ml	
			300622	10 ml	
			300641	25 ml	
		99.8 atom%D	301937	10 x 0.6 ml	
			300492	10 x 0.75 ml	
			300355	10 ml	
301213	25 ml				
Dimethyl-d <sub>6</sub> -amine hydrochloride (DMA-d <sub>6</sub> x HCl)	53170-19-7	99.5 atom%D	300649	10 g	
Dimethylcarbonate-d <sub>6</sub> (DMC-d <sub>6</sub> )	108481-44-3	99.5 atom%D	300650	1 ml	

Product	CAS #	Purity	Material #	Package Size		
N,N-Dimethylformamide-d <sub>7</sub> (DMF-d <sub>7</sub> )	4472-41-7	99.5 atom%D	301945	10 x 0.6 ml		
			300506	10 x 0.75 ml		
			300844	1 ml		
			300729	5 ml		
			300727	10 ml		
			300728	25 ml		
Dimethyl sulfoxide-d <sub>6</sub> (DMSO-d <sub>6</sub> )	2206-27-1	99.8 atom%D	301938	10 x 0.6 ml		
			300408	10 x 0.75 ml		
			300371	10 ml		
			301403	10 ml (septum)		
			300372	25 ml		
			300351	50 ml		
			300373	100 ml		
		99.9 atom%D	300495	10 x 0.75 ml		
			300657	10 ml		
			300658	25 ml		
			300659	50 ml		
			300849	100 ml		
		99.95 atom%D	301686	10 x 0.6 ml		
			300496	10 x 0.75 ml		
Dimethyl sulfoxide-d <sub>6</sub> (DMSO-d <sub>6</sub> ), contains 0.03 v/v%TMS	2206-27-1	99.8 atom%D	301943	10 x 0.6 ml		
			300497	10 x 0.75 ml		
			300660	10 ml		
			300661	25 ml		
			300817	50 ml		
		99.9 atom%D	300500	10 x 0.75 ml		
			300662	10 ml		
			300863	100 ml		
		99.95 atom%D	301942	10 x 0.6 ml		
			301531	10 x 0.75 ml		
		Ethanol-OD	925-93-9	99.5 atom%D	300666	50 ml
		Ethanol-d <sub>6</sub>	1516-08-1	99 atom%D	301584	10 ml
Fluorobenzene-d <sub>5</sub>	1423-10-5	98 atom%D	300676	1 g		
Formic-d acid, 95 wt% in Water	917-71-5	98 atom%D	300679	5 ml		
Formic acid-d, 95 wt% in Deuterium oxide	925-94-0	98 atom%D	300678	5 ml		
Formic acid-d <sub>2</sub> , 95 wt% in Deuterium oxide	920-42-3	99 atom%D	301604	5 ml		
Iodomethane-d <sub>3</sub> , stab. with Cu	865-50-9	99.5 atom%D	300693	25 g		
Methanol-OD	1455-13-6	99.5 atom%D	300705	100 ml		
Methanol-d <sub>3</sub> (Methyl-d <sub>3</sub> alcohol)	1849-29-2	99.5 atom%D	301295	5 ml		

Product	CAS #	Purity	Material #	Package Size
Methanol-d <sub>4</sub>	811-98-3	99.8 atom%D	300503	10 x0.6 ml
			300504	10 x0.75 ml
			300709	10 ml
			300467	10 ml (septum)
			300375	25 ml
			300712	50 ml
			300710	100 ml
Methanol-d <sub>4</sub> , contains 0.03 v/v%TMS	811-98-3	99.8 atom%D	300845	10 x0.6 ml
			300501	10 x0.75 ml
			300707	10 ml
Nitrobenzene-d <sub>5</sub>	4165-60-0	99.5 atom%D	300734	10 ml
Nitromethane-d <sub>3</sub>	13031-32-8	99.5 atom%D	300738	10 ml
Phenyl-d <sub>5</sub> -boronic acid	215527-70-1	98 atom%D	300744	1 g
Phosphoric acid-d <sub>3</sub> , 85 wt% in Deuterium oxide	14335-33-2	99 atom%D	300746	25 ml
Potassiumdeuterioxide, 30 wt% in Deuterium oxide	24572-01-8	99.8 atom%D	300748	25 ml
2-Propanol-OD	3979-51-9	98 atom%D	300519	25 ml
2-Propanol-d <sub>8</sub>	22739-76-0	99.5 atom%D	300521	5 ml
Pyridine-d <sub>5</sub>	7291-22-7	99.5 atom%D	301939	10 x0.6 ml
			300507	10 x0.75 ml
			300750	10 ml
Sodium acetate-d <sub>3</sub>	39230-37-0	99 atom%D	300764	5 g
Sodiumborodeuteride	15681-89-7	98 atom%D	300754	5 g
Sodium deuterioxide, 1M in Deuterium oxide	14014-06-3	99.8 atom%D	300756	100 ml
Sodium deuterioxide, 30 wt% in Deuterium oxide	14014-06-3	99.5 atom%D	300757	10 ml
Sodium deuterioxide, 40 wt% in Deuterium oxide	14014-06-3	99.9 atom%D	300760	10 ml
Sodiumformate-d	3996-15-4	99.5 atom%D	300762	10 g
Styrene-d <sub>8</sub> , stab. with 0.5 wt%4-tert-Butylcatechol	19361-62-7	98 atom%D	300769	5 g
Sulfuric acid-d <sub>2</sub> , 98 wt% in Deuterium oxide	13813-19-9	99.5 atom%D	300774	50 ml
Tetrachloroethane-d <sub>2</sub> (TCE-d <sub>2</sub> )	33685-54-0	99.5 atom%D	301940	10 x0.6 ml
			300778	10 x0.75 ml
			300779	10 ml
Tetrahydrofuran-d <sub>8</sub> (THF-d <sub>8</sub> )	1693-74-9	99.5 atom%D	300376	10 x0.75 ml
			300377	10 ml
			300782	25 ml
Tetramethylsilane (TMS)	75-76-3	99.9%(GC)	300785	25 ml
Toluene-d <sub>8</sub>	2037-26-5	99.5 atom%D	301941	10 x0.6 ml
			300787	10 x0.75 ml
			300788	10 ml
1,3,5-Trichlorobenzene-d <sub>3</sub>	1198-60-3	98 atom%D	300632	1 g
Trifluoroacetic acid-d (TFA-d)	599-00-8	99.5 atom%D	300794	10 x0.75 ml

Product	CAS #	Purity	Material #	Package Size
3-(Trimethylsilyl)-1-propanesulfonic acid sodium salt (DSS)	2039-96-5	confirm to <sup>1</sup> H-NMR	300523	5 g
3-(Trimethylsilyl)propionic-2,2,3,3-d <sub>4</sub> acid sodium salt (TSP-d <sub>4</sub> )	24493-21-8	99 atom%D	300454	1 g
Urea-d <sub>4</sub>	1433-11-0	98 atom%D	300795	25 g
1,2-Xylene-d <sub>10</sub>	56004-61-6	99 atom%D	300631	5 ml

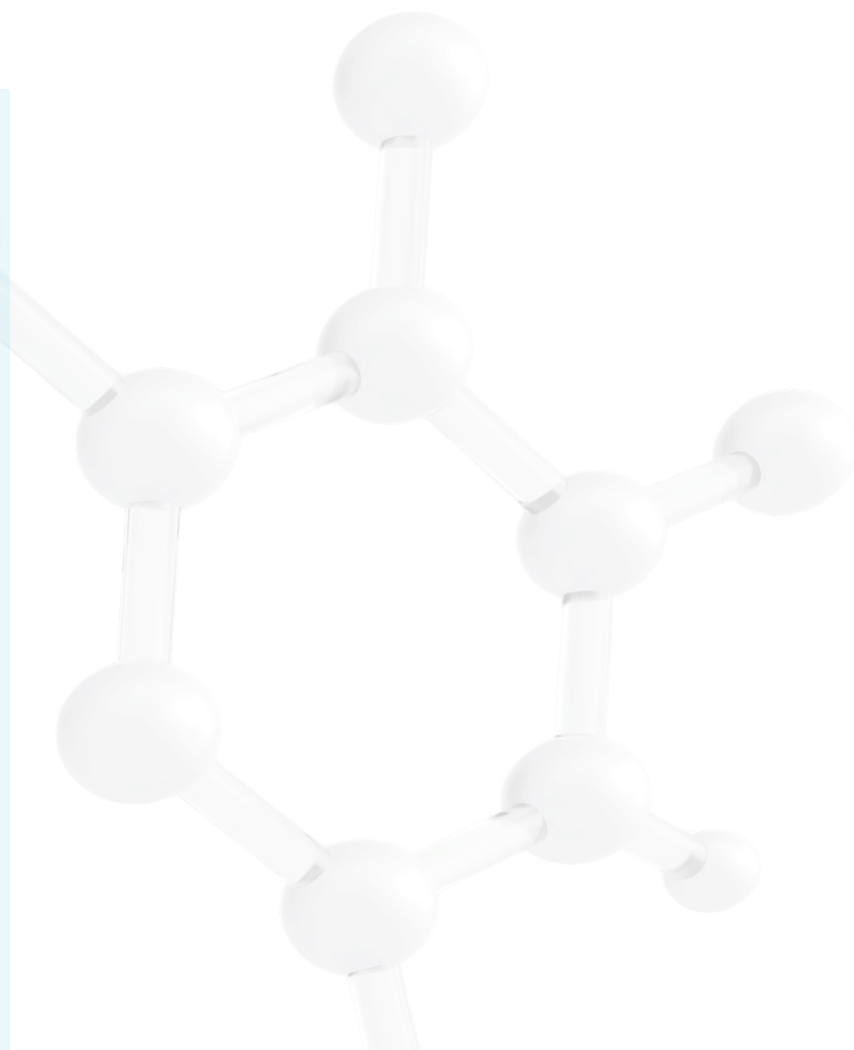
## NMR-Tubes & Accessories

Product	Material #	Package Size
ZEOtube, 5 TA (Throw Away), Ø = 5 mm, l = 178 mm, orange caps included	400490	100 PC
ZEOtube, 5 HP (400 MHz, High Precision), Ø = 5 mm, l = 178 mm, sky caps included	400491	5 PC
ZEOtube, 5 UP (600 MHz, Ultra Precision), Ø = 5 mm, l = 178 mm, black caps included	400492	5 PC
Caps for 5 mm NMR-Tubes, color: black	400039	100 PC
Caps for 5 mm NMR-Tubes, color: orange	400042	100 PC
Caps for 5 mm NMR-Tubes, color: sky	400051	100 PC
ZEOtube Ampoule Opener	400440	1 PC

Did you know that ZEOCHEM has other product groups in its portfolio in addition to isotope chemistry?

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# ZEOtope®

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ZEOCHEM AG is a subsidiary of CPH Chemie+Papier Holding AG, a Swiss public company founded in 1817. Made in Switzerland since the 1970s and on the basis of its outstanding professional expertise, Zeochem manufactures deuterated compounds used as solvents in NMR-spectroscopy and R&D, as well as in bulk quantities as a deuterium source for the synthesis of API's and OLED's.

ZEOCHEM AG is ISO 9001:2015 certified.

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