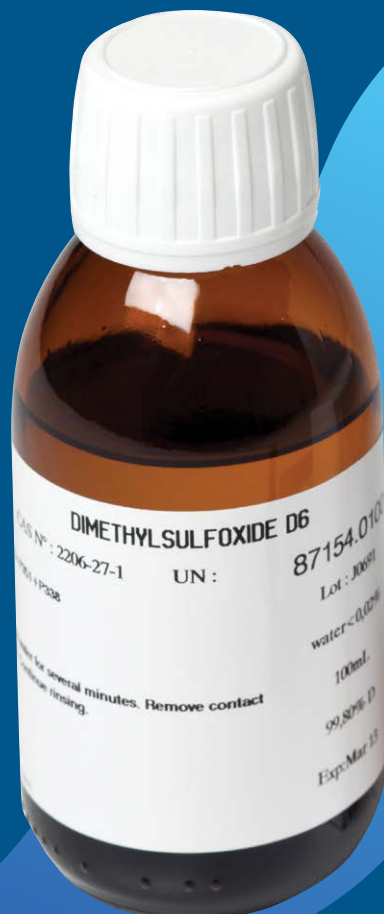


Chemicals for NMR and UV/Vis spectroscopy

01. QUALITY

02. RELIABILITY

03. VALUE



VWR DEUTERATED SOLVENTS

- Packed in:
 - 10x 0,6 (0,75) ml glass ampoules
 - 10, 25, 100 or 500 ml glass bottles
 - 10 ml with special septum caps
- More than 99,9% purity, 99,8 and 99,96% deuteration degree, with or without TMS
- Very low water content
- Isotopic enrichment (FT NM R 400 MHz) min. 99,80% D (99,5% for acetic acid D4)



DEUTERATED SOLVENTS

Description	Min. deuteration degree %	Pk (ml)	Packaging	Cat. No.
Acetic acid-D4	99,5	10	Glass bottle	87151.0010
		25	Glass bottle	87152.0025
		10	Glass bottle	87152.0010
Acetone-D6	99,8	10	Glass bottle + septum caps	87152.0011
		100	Glass bottle	87152.0100
		10x0,6	Glass ampoule	87152.0006
Acetonitrile-D3	99,8	10	Glass bottle + septum caps	87155.0011
		10	Glass bottle	87155.0010
Benzene-D6	99,8	10	Glass bottle + septum caps	87160.0011
		10	Glass bottle	87160.0010
		25	Glass bottle	87160.0025
Chloroform-D1	99,8	100	Glass bottle	87160.0100
		500	Glass bottle	87153.0500
		10x0,6	Glass ampoule	87153.0006
Chloroform-D	99,96	10x0,7	Glass ampoule	84890.0007
		25	Glass bottle	84890.0025
Chloroform-D1 +0,03% TMS	99,8	100	Glass bottle	84111.0100
		25	Glass bottle	84111.0025
Chloroform-D +0,03% TMS	99,96	500	Glass bottle	84111.0500
		10x0,7	Glass ampoule	84891.0007
Deuterium oxide	99,96	10	Glass bottle + septum caps	87156.0011
		25	Glass bottle	87156.0025
		100	Glass bottle	87156.0100
	99,92	500	Glass bottle	84541.0500

Description	Min. deuteration degree %	Pk (ml)	Packaging	Cat. No.
Dichloromethane-D2	99,8	10	Glass bottle	87161.0010
		25	Glass bottle	87161.0025
		10x0,6	Glass ampoule	87161.0006
Dimethyl sulphoxide-D6	99,8	10	Glass bottle + septum caps	87154.0011
		10	Glass bottle	87154.0010
		25	Glass bottle	87154.0025
	99,96	100	Glass bottle	87154.0100
		10x0,6	Glass ampoule	87154.0006
		10x0,7	Glass ampoule	84888.0007
Dimethyl sulphoxide-D6 +0,03% TMS	99,8	10x0,75	Glass ampoule	84113.0007
		25 l	Glass bottle	84113.0025
		100 l	Glass bottle	84113.0100
	99,96	10x0,7	Glass ampoule	84889.0007
		10	Glass bottle	87157.0010
		10	Glass bottle + septum caps	87157.0011
Methanol-D4	99,8	10	Glass bottle	87157.0010
		100	Glass bottle	87157.0100
		500	Glass bottle	87157.0500
	99,8	10x0,6	Glass ampoule	87157.0006
		10x0,75	Glass ampoule	84116.0007
Methanol-D4 +0,03% TMS	99,8	10 l	Glass bottle	84116.0010
Tetrahydrofuran-D8	99,5	10	Glass bottle	87158.0010
Toluene-D8	99,5	25	Glass bottle	87159.0025
		10	Glass bottle	87159.0010

VWR® SOLVENTS FOR SPECTROSCOPY, SPECTRONORM

SPECTRONORM solvents have extensive specifications to meet the highly demanding requirements of UV applications.

- Guaranteed UV transmission specifications
- Evaporation residue less than 5 ppm for the majority of solvents
- Batch-to-batch reproducibility
- Filtered at 0,2 µm and bottled under nitrogen
- Fitted with caps with PTFE liners to prevent contamination



Description	Pack type	Pk	Cat. No.
Acetonitrile ≥99.9%, SPECTRONORM	Glass bottle	2,5 l	84701.320
1-Butanol ≥99.8%, SPECTRONORM		1 l	84709.290
Cyclohexane ≥99.7%, SPECTRONORM		1 l	23225.296
N,N-Dimethylformamide ≥99.8%, SPECTRONORM		1 l	84710.290
N,N-Dimethylformamide ≥99.8%, SPECTRONORM		2,5 l	84710.320
1,4-Dioxane ≥99.8% unstabilised, SPECTRONORM		1 l	84715.290
n-Heptane ≥99.0%, SPECTRONORM		2,5 l	84712.320
Methanol ≥99.9%, SPECTRONORM		2,5 l	84705.320
2-Propanol ≥99.8%, SPECTRONORM		2,5 l	84706.320
Tetrahydrofuran ≥99.8% unstabilised, SPECTRONORM		1 l	84707.290
Toluene ≥99.8%, SPECTRONORM		1 l	84708.290
Acetone > 99.8% SPECTRONORM		2,5 l	84700.320
Chloroforme SPECTRONORM in		2,5 l	22715.320
Dichloromethane <99.9% SPECTRONORM		2,5 l	84702.320
Ethanol SPECTRONORM>99.8%		2,5 l	20822.290
n Hexane > 98.5% SPECTRONORM		2,5 l	140096E
Tetrachloroethylene >99.9% SPECTRONORM		1 l	83950.290
Tetrachloroethylene >99.9% SPECTRONORM		2,5 l	83950.320
2,2,4, Trimethylpentane >99.5% SPECTRONORM		1 l	28776.293
2,2,4, Trimethylpentane SPECTRONORM		2,5 l	28776.320

VWR® UV/VIS STANDARDS

For spectrophotometer calibration according to European Pharmacopoeia (Ph. Eur.)

- Absorbance control
- Testing of resolution power
- Stray light testing
- Wavelength accuracy testing

In the pharmaceutical industry, a regular check of UV/Visible spectrophotometers according to Ph. Eur. is mandatory. Even in other industries, researchers who are using UV/Vis spectrophotometers, and who are working according to e.g. GMP, GLP, USP or ISO guidelines, need to check and qualify their instruments on a regular basis.



Description	Pack type	Cat. No.
UV/Vis standard 1, for absorbance control	1 KIT	86124.001
UV/Vis standard 1A, for absorbance control	1 KIT	86125.001
UV/Vis standard 2, for stray light testing	1 KIT	86126.001
UV/Vis standard 3, for stray light testing	1 KIT	86127.001
UV/Vis standard 4, for stray light testing	1 KIT	86128.001
UV/Vis standard 5, toluene solution in n-hexane for resolution testing	1 KIT	86129.001
UV/Vis standard 6, for wavelength testing	1 KIT	86130.001

Setting science in motion to create a better world



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