



Vitamins and Their Metabolites

For Profiling and Quantitation



Vitamins are organic compounds that directly or indirectly participate in organisms' biochemical reactions. These are divided into two classes, based on their solubility in fat (includes A, D, E, and K) and water (includes B and C).

Cambridge Isotope Laboratories, Inc. offers unlabeled and stable isotope-labeled vitamins as neat compounds and/or in solution at specified concentrations. These can be used in a wide range of applications, such as metabolism and pathophysiology explorations, as well as disease biomarker evaluation in preclinical and clinical MS studies (e.g., vitamin D deficiency). These standards help facilitate accurate and precise quantification of endogenous metabolites in biological matrices.

Water Soluble

Catalog No.	Description	Concentration	Unit Size
CLM-11661	5-Formyltetrahydrofolic acid (glutamic acid- $^{13}\text{C}_5$, 98%)	neat	1 mg
CLM-9548	5-Methyltetrahydrofolic acid (prefolic A) (glutamic acid- $^{13}\text{C}_5$, 99%) CP 95%	neat	1 mg, 5 mg
DLM-11656	5-Methyltetrahydrofolic acid (prefolic A) (methyl- D_3 , 98%)	neat	1 mg
CLM-7321-N	5-Methyltetrahydrofolic acid (prefolic A), calcium salt (glutamic acid- $^{13}\text{C}_5$, 98%) CP 95%	neat	1 mg, 5 mg
CLM-7667	Vitamin B ₁ (thiamine)-HCl (4,5,4-methyl- $^{13}\text{C}_3$, 99%) CP 97%	neat	5 mg
ULM-10004	Vitamin B ₁ (thiamine)-HCl (unlabeled)	neat	1 mg, 5 mg, 10 mg
DLM-8741	Vitamin B ₁ pyrophosphate chloride (thiamine pyrophosphate chloride) (pyrimidyl-methyl- D_3 , 98%)	neat	1 mg
CNLM-8851	Vitamin B ₂ (riboflavin) ($^{13}\text{C}_4$, 99%; $^{15}\text{N}_2$, 98%) CP 97%	neat	1 mg, 5 mg, 10 mg
ULM-9123	Vitamin B ₂ (riboflavin) (unlabeled) CP 97%	neat	1 mg, 5 mg, 10 mg
CNLM-10744	Vitamin B ₂ phosphate (riboflavin phosphate) ($^{13}\text{C}_4$, 99%; $^{15}\text{N}_2$, 98%) CP 90%	neat	1 mg
CLM-9925	Vitamin B ₃ (nicotinamide) ($^{13}\text{C}_6$, 99%)	neat	1 mg, 5 mg
DLM-6883	Vitamin B ₃ (nicotinamide) (D_4 , 98%)	neat	0.1 g, 0.5 g
CNLM-9757	Vitamin B ₃ (nicotinamide) (2,6-carboxyl- $^{13}\text{C}_3$, 99%; ring-1- ^{15}N , 98%)	neat	1 mg
CLM-9954	Vitamin B ₃ (nicotinic acid) ($^{13}\text{C}_6$, 99%)	neat	1 mg, 5 mg
DLM-4578	Vitamin B ₃ (nicotinic acid) (D_4 , 98%)	neat	5 mg, 1 g
CNLM-9512	Vitamin B ₃ (nicotinic acid) (2,6-carboxyl- $^{13}\text{C}_3$, 99%; ^{15}N , 98%) CP 97%	neat	1 mg
DLM-2872	Vitamin B ₃ , ethyl ester (nicotinic acid, ethyl ester) (2,4,5,6- D_4 , 98%)	neat	5 g
CNLM-7694	Vitamin B ₅ (pantothenate)- H_2O , calcium salt (β -alanine- $^{13}\text{C}_3$, 99%; ^{15}N , 98%)	neat	10 mg
ULM-10003	Vitamin B ₅ (pantothenate)- H_2O , calcium salt (unlabeled)	neat	1 mg, 5 mg, 10 mg
DLM-9069	Vitamin B ₆ (pyridoxal) (methyl- D_3 , 98%)	neat	1 mg, 5 mg, 10 mg

*Chemical purity (CP) is 98% or greater, unless otherwise specified. MPT (microbiological and pyrogen tested) may be available; please inquire.
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Catalog No.	Description	Concentration	Unit Size
ULM-9118	Vitamin B ₆ (pyridoxal)-HCl (unlabeled)	neat	1 mg, 5 mg, 10 mg
DLM-9119	Vitamin B ₆ (pyridoxamine)-2HCl (methyl-D ₃ , 98%)	neat	1 mg, 5 mg, 10 mg
ULM-9120	Vitamin B ₆ (pyridoxamine-2HCl) (unlabeled)	neat	1 mg, 5 mg, 10 mg
CLM-7563	Vitamin B ₆ (pyridoxine-HCl) (4,5-bis(hydroxymethyl)- ¹³ C ₄ , 99%)	neat	10 mg
DLM-8754	Vitamin B ₆ (pyridoxine-HCl) (5-hydroxymethyl-D ₂ , 98%)	neat	1 mg, 5 mg
DLM-9121	Vitamin B ₆ (pyridoxine-HCl) (methyl-D ₃ , 98%) CP 96%	neat	1 mg, 5 mg, 10 mg
ULM-9122	Vitamin B ₆ (pyridoxine-HCl) (unlabeled) CP 96%	neat	1 mg, 5 mg, 10 mg
DLM-9793-N	Vitamin B ₆ phosphate (pyridoxal phosphate) (methyl-D ₃ , 97%) (mix of 5-,3-isomers) CP 97%	neat	1 mg
DLM-11662	Vitamin B ₆ phosphate (pyridoxal phosphate) (methyl-D ₃ , 5-hydroxymethyl-D ₂ , 98%)	neat	1 mg
DLM-8806	Vitamin B ₇ (biotin) (ring-6,6-D ₂ , 98%) CP 97%	neat	5 mg, 10 mg, 20 mg
DLM-9751	Vitamin B ₇ (biotin) (3',3',4',4'-D ₄ , 98%) CP 95%	neat	1 mg
ULM-9129	Vitamin B ₇ (biotin) (unlabeled)	neat	1 mg, 5 mg
CLM-7861-N	Vitamin B ₉ (folic acid) (glutamic acid- ¹³ C ₅ , 99%) CP 95%	neat	1 mg, 5 mg
CLM-7861	Vitamin B ₉ (folic acid) (glutamic acid- ¹³ C ₅ , 95%) (contains ~10% H ₂ O)	neat	Please inquire
CNLM-9564	Vitamin B ₉ (folic acid) (glutamic acid- ¹³ C ₅ , 99%; ¹⁵ N, 98%) CP 95%	neat	1 mg, 5 mg
CLM-9770-E	Vitamin B ₁₂ (cyanocobalamin) (¹³ C ₇ , 99%) CP 95%	1 µg/mL in methanol	1 mL
ULM-10005-E	Vitamin B ₁₂ (cyanocobalamin) (unlabeled)	1 µg/mL in methanol	1 mL
CLM-3085	Vitamin C (L-ascorbic acid) (1- ¹³ C, 99%)	neat	0.05 g, 0.1 g, 0.25 g, 0.5 g
CLM-10991	Vitamin C (L-ascorbic acid) (1,2- ¹³ C ₂ , 99%)	neat	Please inquire
CLM-7283	Vitamin C (L-ascorbic acid) (U- ¹³ C ₆ , 98%)	neat	0.05 g, 0.1 g

Fat Soluble

Catalog No.	Description	Concentration	Unit Size
CLM-6126	β-Carotene (provitamin A) (10,10',11,11'- ¹³ C ₄ , 99%)	neat	Please inquire
CLM-9641	β-Carotene (provitamin A) (12,12',13,13',14,14',15,15',20,20'- ¹³ C ₁₀ , 99%) CP 97%	neat	Please inquire
DLM-3829	β-Carotene (provitamin A) (19,19,19,19',19'-D ₆ , 98%)	neat	Please inquire
DLM-2439	β-Carotene (provitamin A) (10,10',19,19,19,19',19'-D ₈ , 97%)	neat	Please inquire
ULM-11664	1,24-Dihydroxyvitamin D ₃ (tacalcitol) (unlabeled)	neat	1 mg
CLM-12291-A	1,25-Dihydroxyvitamin D ₂ (25,26,27- ¹³ C ₃ , 98%) CP 95%	5 µg/mL in ethanol	1 mL
CLM-11417	1,25-Dihydroxyvitamin D ₂ (20,21,22,26,27- ¹³ C ₅ , 98%) CP 95%	neat	Please inquire
ULM-9106-C	1,25-Dihydroxyvitamin D ₂ (unlabeled) CP 95%	100 µg/mL in ethanol	1 mL
ULM-9106-B	1,25-Dihydroxyvitamin D ₂ (unlabeled) CP 95%	50 µg/mL in ethanol	1 mL
ULM-9106	1,25-Dihydroxyvitamin D ₂ (unlabeled) CP 95%	neat	0.1 mg, 1 mg
CLM-12292-A	1,25-Dihydroxyvitamin D ₃ (25,26,27- ¹³ C ₃ , 98%) CP 95%	5 µg/mL in ethanol	1 mL
DLM-9107-C	1,25-Dihydroxyvitamin D ₃ (6,19,19-D ₃ , 97%) CP 95%	100 µg/mL in ethanol	1 mL
DLM-9107-B	1,25-Dihydroxyvitamin D ₃ (6,19,19-D ₃ , 97%) CP 95%	50 µg/mL in ethanol	1 mL
DLM-9107	1,25-Dihydroxyvitamin D ₃ (6,19,19-D ₃ , 97%) CP 95%	neat	1 mg
ULM-9108-C	1,25-Dihydroxyvitamin D ₃ (unlabeled) CP 95%	100 µg/mL in ethanol	1 mL
ULM-9108-B	1,25-Dihydroxyvitamin D ₃ (unlabeled) CP 95%	50 µg/mL in ethanol	1 mL
ULM-9108	1,25-Dihydroxyvitamin D ₃ (unlabeled) CP 95%	neat	0.5 mg, 1 mg
ULM-9109-C	24,25-Dihydroxyvitamin D ₂ (unlabeled)	100 µg/mL in ethanol	1 mL
ULM-9109	24,25-Dihydroxyvitamin D ₂ (unlabeled)	neat	1 mg
CLM-11663	24R,25-Dihydroxyvitamin D ₃ (25,26,27- ¹³ C ₃ , 98%)	50 µg/mL in ethanol	1 mL
CLM-11420	24R,25-Dihydroxyvitamin D ₃ (23,24,25,26,27- ¹³ C ₅ , 98%) CP 95%	neat	Please inquire
DLM-9404-C	24R,25-Dihydroxyvitamin D ₃ (26,26,26,27,27,27-D ₆ , 98%) CP 97%	100 µg/mL in ethanol	1 mL
DLM-9404	24R,25-Dihydroxyvitamin D ₃ (26,26,26,27,27,27-D ₆ , 98%) CP 97%	neat	1 mg
ULM-10610-C	24R,25-Dihydroxyvitamin D ₃ (unlabeled) CP 97%	100 µg/mL in ethanol	1 mL
ULM-10610	24R,25-Dihydroxyvitamin D ₃ (unlabeled) CP 97%	neat	1 mg
CLM-11418	3- <i>epi</i> -25-Hydroxyvitamin D ₂ (22,26,27- ¹³ C ₃ , 98%) CP 95%	50 µg/mL in ethanol	1 mL
CLM-11418	3- <i>epi</i> -25-Hydroxyvitamin D ₂ (22,26,27- ¹³ C ₃ , 98%) CP 95%	10 µg/mL in ethanol	1 mL

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Catalog No.	Description	Concentration	Unit Size
CLM-11419	3- <i>epi</i> -25-Hydroxyvitamin D ₂ (20,21,22,26,27- ¹³ C ₅ , 98%) CP 95%	50 µg/mL in ethanol	1 mL
CLM-11419	3- <i>epi</i> -25-Hydroxyvitamin D ₂ (20,21,22,26,27- ¹³ C ₅ , 98%) CP 95%	10 µg/mL in ethanol	1 mL
ULM-9110-C	3- <i>epi</i> -25-Hydroxyvitamin D ₂ (unlabeled)	100 µg/mL in ethanol	1 mL
ULM-9110-B	3- <i>epi</i> -25-Hydroxyvitamin D ₂ (unlabeled)	50 µg/mL in ethanol	1 mL
ULM-9110	3- <i>epi</i> -25-Hydroxyvitamin D ₂ (unlabeled)	neat	1 mg
CLM-11421	25-Hydroxyvitamin D ₂ (22,26,27- ¹³ C ₃ , 98%) CP 95%	neat	Please inquire
CLM-11422	25-Hydroxyvitamin D ₂ (20,21,22,26,27- ¹³ C ₅ , 98%) CP 95%	neat	Please inquire
DLM-9114-C	25-Hydroxyvitamin D ₂ (6,19,19-D ₃ , 97%)	100 µg/mL in ethanol	1 mL
DLM-9114-B	25-Hydroxyvitamin D ₂ (6,19,19-D ₃ , 97%)	50 µg/mL in ethanol	1 mL
DLM-9114-A	25-Hydroxyvitamin D ₂ (6,19,19-D ₃ , 97%)	5 µg/mL in ethanol	1 mL
DLM-9114	25-Hydroxyvitamin D ₂ (6,19,19-D ₃ , 97%)	neat	1 mg
DLM-10219	25-Hydroxyvitamin D ₂ (26,26,26,27,27,27-D ₆ , 96%) CP 95%	neat	Please inquire
ULM-9115-C	25-Hydroxyvitamin D ₂ (unlabeled)	100 µg/mL in ethanol	1 mL
ULM-9115-B	25-Hydroxyvitamin D ₂ (unlabeled)	50 µg/mL in ethanol	1 mL
ULM-9115-A	25-Hydroxyvitamin D ₂ (unlabeled)	5 µg/mL in ethanol	1 mL
ULM-9115	25-Hydroxyvitamin D ₂ (unlabeled)	neat	1 mg
DLM-10611-C	25-Hydroxyvitamin D ₂ sulfate, sodium salt (6,19,19-D ₃ , 97%) CP 97%	100 µg/mL in ethanol	1 mL
ULM-10612-C	25-Hydroxyvitamin D ₂ sulfate, sodium salt (unlabeled) CP 97%	100 µg/mL in ethanol	1 mL
CLM-10266-C	3- <i>epi</i> -25-Hydroxyvitamin D ₃ (23,24,25,26,27- ¹³ C ₅ , 99%) CP 96%	100 µg/mL in ethanol	1 mL
DLM-9111-C	3- <i>epi</i> -25-Hydroxyvitamin D ₃ (6,19,19-D ₃ , 98%)	100 µg/mL in ethanol	1 mL
DLM-9111-B	3- <i>epi</i> -25-Hydroxyvitamin D ₃ (6,19,19-D ₃ , 98%)	50 µg/mL in ethanol	1 mL
DLM-9111	3- <i>epi</i> -25-Hydroxyvitamin D ₃ (6,19,19-D ₃ , 98%)	neat	1 mg
DLM-10912	3- <i>epi</i> -25-Hydroxyvitamin D ₃ (26,26,26,27,27,27-D ₆ , 96%) CP 95%	neat	Please inquire
ULM-9112-C	3- <i>epi</i> -25-Hydroxyvitamin D ₃ (unlabeled)	100 µg/mL in ethanol	1 mL
ULM-9112-B	3- <i>epi</i> -25-Hydroxyvitamin D ₃ (unlabeled)	50 µg/mL in ethanol	1 mL
ULM-9112	3- <i>epi</i> -25-Hydroxyvitamin D ₃ (unlabeled)	neat	1 mg
CLM-10025-C	25-Hydroxyvitamin D ₃ (23,24,25,26,27- ¹³ C ₅ , 99%) CP 95%	100 µg/mL in ethanol	1 mL
CLM-10025	25-Hydroxyvitamin D ₃ (23,24,25,26,27- ¹³ C ₅ , 99%) CP 95%	neat	1 mg
DLM-9116-C	25-Hydroxyvitamin D ₃ (6,19,19-D ₃ , 97%)	100 µg/mL in ethanol	1 mL
DLM-9116-B	25-Hydroxyvitamin D ₃ (6,19,19-D ₃ , 97%)	50 µg/mL in ethanol	1 mL
DLM-9116-A	25-Hydroxyvitamin D ₃ (6,19,19-D ₃ , 97%)	5 µg/mL in ethanol	1 mL
DLM-9116	25-Hydroxyvitamin D ₃ (6,19,19-D ₃ , 97%)	neat	1 mg, 5 mg
DLM-11423	25-Hydroxyvitamin D ₃ (26,26,26,27,27,27-D ₆ , 98%) CP 95%	neat	Please inquire
ULM-9117-C	25-Hydroxyvitamin D ₃ (unlabeled)	100 µg/mL in ethanol	1 mL
ULM-9117-B	25-Hydroxyvitamin D ₃ (unlabeled)	50 µg/mL in ethanol	1 mL
ULM-9117-A	25-Hydroxyvitamin D ₃ (unlabeled)	5 µg/mL in ethanol	1 mL
ULM-9117	25-Hydroxyvitamin D ₃ (unlabeled)	neat	5 mg
DLM-7708-C	25-Hydroxyvitamin D ₃ ·H ₂ O (26,26,26,27,27,27-D ₆ , 98%) CP 97%	100 µg/mL in ethanol	1 mL
DLM-7708-B	25-Hydroxyvitamin D ₃ ·H ₂ O (26,26,26,27,27,27-D ₆ , 98%) CP 97%	50 µg/mL in ethanol	1 mL
DLM-7708	25-Hydroxyvitamin D ₃ ·H ₂ O (26,26,26,27,27,27-D ₆ , 98%) CP 97%	neat	1 mg
DLM-10782-C	25-Hydroxyvitamin D ₃ sulfate, sodium salt (6,19,19-D ₃ , 97%) CP 97%	100 µg/mL in ethanol	Please inquire
ULM-10781-C	25-Hydroxyvitamin D ₃ sulfate, sodium salt (unlabeled) CP 97%	100 µg/mL in ethanol	Please inquire
CLM-331	Vitamin A (retinoic acid) (10- ¹³ C, 99%)	neat	Please inquire
CLM-328	Vitamin A (retinoic acid) (11- ¹³ C, 98%)	neat	Please inquire
CLM-329	Vitamin A (retinoic acid) (14- ¹³ C, 99%)	neat	Please inquire
CLM-330	Vitamin A (retinoic acid) (15- ¹³ C, 99%)	neat	Please inquire
CLM-4343	Vitamin A (retinoic acid) (10,11,14,15- ¹³ C ₄ , 99%)	neat	Please inquire
DLM-7720	Vitamin A (retinoic acid) (19,19,19,20,20,20-D ₆ , 96%)	neat	1 mg
CLM-10259	Vitamin A (retinol) (12,13,14,20- ¹³ C ₄ , 99%) (50 ppm BHT) CP 95%	neat	Please inquire
DLM-9305	Vitamin A (retinol) (10,19,19,19-D ₄ , 96%) (50 ppm BHT) CP 95%	neat	1 mg, 5 mg
DLM-8113	Vitamin A (retinol) (19,19,19,20,20,20-D ₆ , 96%) (50 ppm BHT) CP 95%	neat	1 mg, 5 mg, 10 mg
DLM-9306	Vitamin A (retinol) (10,14,19,19,19,20,20,20-D ₈ , 90%) (50 ppm BHT) CP 95%	neat	Please inquire

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Catalog No.	Description	Concentration	Unit Size
CLM-8870	Vitamin A acetate (retinol acetate) (12,13,14,20- ¹³ C ₄ , 99%)	neat	Please inquire
CLM-4831	Vitamin A acetate (retinol acetate) (8,9,10,12,13,14,19,20- ¹³ C ₈ , 99%)	neat	Please inquire
CLM-7277	Vitamin A acetate (retinol acetate) (8,9,10,11,12,13,14,15,19,20- ¹³ C ₁₀ , 99%)	neat	Please inquire
DLM-2244	Vitamin A acetate (retinol acetate) (10,19,19,19-D ₄ , 96%) (3-4% <i>cis</i>)	neat	Please inquire
DLM-3828	Vitamin A acetate (retinol acetate) (19,19,19,20,20,20-D ₆ , 96%) (3-4% <i>cis</i>)	neat	Please inquire
DLM-4203	Vitamin A acetate (retinol acetate) (10,14,19,19,19,20,20,20-D ₈ , 90%) (3-4% <i>cis</i>)	neat	Please inquire
CLM-320	Vitamin A aldehyde (retinal) (10- ¹³ C, 99%)	neat	Please inquire
CLM-325	Vitamin A aldehyde (retinal) (11- ¹³ C, 99%)	neat	Please inquire
CLM-326	Vitamin A aldehyde (retinal) (14- ¹³ C, 99%)	neat	Please inquire
CLM-327	Vitamin A aldehyde (retinal) (15- ¹³ C, 98%)	neat	Please inquire
CLM-10772	Vitamin A aldehyde (retinal) (12,13,14,20- ¹³ C ₄ , 96%)	neat	Please inquire
DLM-7719	Vitamin A aldehyde (retinal) (19,19,19,20,20,20-D ₆ , 96%)	neat	Please inquire
CLM-9395	Vitamin A palmitate (retinyl palmitate) (12,13,20- ¹³ C ₃ , 98%) (all <i>trans</i> , <4% <i>cis</i> , 50 ppm BHT)	neat	Please inquire
CLM-10838	Vitamin A palmitate (retinyl palmitate) (8,9,10,11,12,13,14,15,19,20- ¹³ C ₁₀ , 99%) (all <i>trans</i> , <4% <i>cis</i> , 50 ppm BHT)	neat	Please inquire
DLM-4902	Vitamin A palmitate (retinyl palmitate) (10,19,19,19-D ₄ , 96%) (all <i>trans</i> , <4% <i>cis</i> , 50 ppm BHT)	neat	1 mg, 5 mg
DLM-9309	Vitamin A palmitate (retinyl palmitate) (19,19,19,20,20,20-D ₆ , 97%) (all <i>trans</i> , <4% <i>cis</i> , 50 ppm BHT)	neat	Please inquire
DLM-8985-D	Vitamin D ₂ (ergocalciferol) (6,19,19-D ₃ , 97%)	1000 µg/mL in ethanol	1 mL
DLM-8985-C	Vitamin D ₂ (ergocalciferol) (6,19,19-D ₃ , 97%)	100 µg/mL in ethanol	1 mL
DLM-8985	Vitamin D ₂ (ergocalciferol) (6,19,19-D ₃ , 97%)	neat	1 mg
ULM-9124-D	Vitamin D ₂ (ergocalciferol) (unlabeled)	1000 µg/mL in ethanol	1 mL
ULM-9124-C	Vitamin D ₂ (ergocalciferol) (unlabeled)	100 µg/mL in ethanol	1 mL
ULM-9124	Vitamin D ₂ (ergocalciferol) (unlabeled)	neat	1 mg, 5 mg, 10 mg
DLM-10478-C	Vitamin D ₂ (ergocalciferol) sulfate, sodium salt (6,19,19-D ₃ , 98%) CP 97%	100 µg/mL in ethanol	1 mL
ULM-10477-C	Vitamin D ₂ (ergocalciferol) sulfate, sodium salt (unlabeled) CP 97%	100 µg/mL in ethanol	1 mL
CLM-7850	Vitamin D ₃ (cholecalciferol) (23,24- ¹³ C ₂ , 99%) CP 90%	neat	Please inquire
CLM-10469-C	Vitamin D ₃ (cholecalciferol) (25,26,26- ¹³ C ₃ , 98%) CP 97%	100 µg/mL in ethanol	1 mL
CLM-10470-D	Vitamin D ₃ (cholecalciferol) (23,24,25,26,26- ¹³ C ₅ , 98%) CP 97%	1000 µg/mL in ethanol	1 mL
CLM-10470-C	Vitamin D ₃ (cholecalciferol) (23,24,25,26,26- ¹³ C ₅ , 98%) CP 97%	100 µg/mL in ethanol	1 mL
DLM-8853-D	Vitamin D ₃ (cholecalciferol) (6,19,19-D ₃ , 97%) CP 97%	1000 µg/mL in ethanol	1 mL
DLM-8853-C	Vitamin D ₃ (cholecalciferol) (6,19,19-D ₃ , 97%) CP 97%	100 µg/mL in ethanol	1 mL
DLM-10749-D	Vitamin D ₃ (cholecalciferol) (26,26,26,27,27,27-D ₆ , 98%) CP 95%	1 mg/mL in ethanol	1 mL
DLM-10749-C	Vitamin D ₃ (cholecalciferol) (26,26,26,27,27,27-D ₆ , 98%) CP 95%	100 µg/mL in ethanol	1 mL
ULM-9125-D	Vitamin D ₃ (cholecalciferol) (unlabeled)	1000 µg/mL in ethanol	1 mL
ULM-9125-C	Vitamin D ₃ (cholecalciferol) (unlabeled)	100 µg/mL in ethanol	1 mL
ULM-9125	Vitamin D ₃ (cholecalciferol) (unlabeled)	neat	1 mg, 5 mg, 10 mg
DLM-10475-C	Vitamin D ₃ (cholecalciferol) sulfate, sodium salt (6,19,19-D ₃ , 98%) CP 97%	100 µg/mL in ethanol	1 mL
ULM-10474-C	Vitamin D ₃ (cholecalciferol) sulfate, sodium salt (unlabeled) CP 97%	100 µg/mL in ethanol	1 mL
CLM-10274	Vitamin E (DL- α -tocopherol) (trimethylphenyl- ¹³ C ₃ , 99%) CP 96%	neat	1 mg
CLM-10273	Vitamin E (α -tocopherol) (trimethyl- ¹³ C ₃ phenyl, 99%) CP 96%	neat	1 mg
CLM-10275	Vitamin E (α -tocopherol) (phenyl- ¹³ C ₆ , 99%) CP 96%	neat	1 mg
CLM-10276	Vitamin E (α -tocopherol) (trimethylphenyl- ¹³ C ₉ , 99%) CP 96%	neat	1 mg
DLM-9126	Vitamin E (α -tocopherol) (5-methyl-D ₃ , 7-methyl-D ₃ , 98%)	neat	2 mg, 5 mg, 10 mg
CDLM-11053-1.2	Vitamin E (α -tocopherol) (dimethyl- ¹³ C ₂ , 99%; dimethyl-D ₆ , 98%)	100 µg/mL in methanol	1.2 mL
ULM-9127-1.2	Vitamin E (α -tocopherol) (unlabeled)	100 µg/mL in methanol	1.2 mL
ULM-9127	Vitamin E (α -tocopherol) (unlabeled) CP 96%	neat	1 mg, 5 mg, 10 mg

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Catalog No.	Description	Concentration	Unit Size
DLM-8847	Vitamin E (α -tocopherol) acetate (acetyl-D ₃ , 98%)	neat	Please inquire
DLM-11564	Vitamin E (α -tocopherol) acetate (phenyl-5,7-dimethyl-D ₆ , 98%)	neat	1 mg
CDLM-11054-1.2	Vitamin E (α -tocopherol) acetate (dimethyl- ¹³ C ₂ , acetyl- ¹³ C ₂ , 99%; dimethyl-D ₆ , 98%)	100 µg/mL in methanol	1.2 mL
ULM-11055-1.2	Vitamin E (α -tocopherol) acetate (unlabeled)	100 µg/mL in methanol	1.2 mL
DLM-11047	Vitamin E (α -tocopherol) succinate (5-methyl-D ₃ , 7-methyl-D ₃ , 98%) CP 95%	neat	1 mg, 2 mg, 10 mg
CLM-9566	Vitamin K ₁ (phyloquinone) (4 α ,5,6,7,8,8 α - ¹³ C ₆ , 99%)	neat	1 mg
DLM-7702	Vitamin K ₁ (phyloquinone) (ring-D ₄ , 98%)	neat	1 mg
DLM-9130	Vitamin K ₁ (phyloquinone) (D ₇ , 99%) CP 97%	neat	1 mg, 5 mg, 10 mg
ULM-9131	Vitamin K ₁ (phyloquinone) (unlabeled) CP 97%	neat	1 mg, 5 mg, 10 mg
CLM-10376	Vitamin K ₂ (menaquinone MK-4) (4',5,6,7,8,8'- ¹³ C ₆ , 99%) CP 95%	neat	1 mg
DLM-10379	Vitamin K ₂ (menaquinone MK-4) (5,6,7,8-D ₄ , 2-methyl-D ₃ , 98%) CP 95%	neat	1 mg
DLM-10382	Vitamin K ₂ (menaquinone MK-4) 2,3-epoxide (5,6,7,8-D ₄ , 2-methyl-D ₃ , 98%) CP 95%	neat	1 mg
ULM-10383	Vitamin K ₂ (menaquinone MK-4) 2,3-epoxide (unlabeled) CP 95%	neat	1 mg
CLM-10377	Vitamin K ₂ (menaquinone MK-7) (4',5,6,7,8,8'- ¹³ C ₆ , 99%) CP 95%	neat	1 mg
DLM-10380	Vitamin K ₂ (menaquinone MK-7) (5,6,7,8-D ₄ , 2-methyl-D ₃ , 98%) CP 95%	neat	1 mg
CLM-10378	Vitamin K ₂ (menaquinone MK-9) (4',5,6,7,8,8'- ¹³ C ₆ , 99%) CP 95%	neat	1 mg
DLM-10381	Vitamin K ₂ (menaquinone MK-9) (5,6,7,8-D ₄ , 2-methyl-D ₃ , 98%) CP 95%	neat	1 mg
DLM-9132	Vitamin K ₃ (menadione) (D ₈ , 98%) CP 97%	neat	10 mg, 50 mg
ULM-9133	Vitamin K ₃ (menadione) (unlabeled) CP 97%	neat	5 mg, 10 mg

Example References

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