



Correction to: Multiple Emulsions for Enhanced Delivery of Vitamins and Iron Micronutrients and Their Application for Food Fortification

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The original version of this article unfortunately contained some mistakes. In the published version of our article, Tables 1 and 2 are not published completely and only the first page of the tables is included in the article.

With this, here are the complete Tables 1 and 2.

The original article can be found online at <https://doi.org/10.1007/s11947-021-02586-2>.

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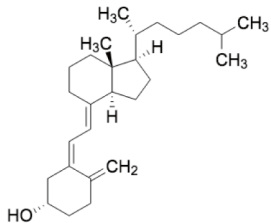
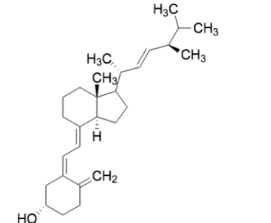
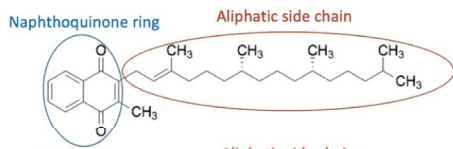
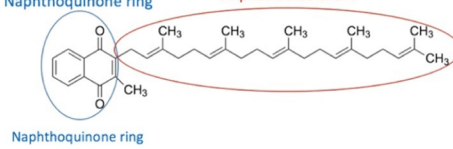
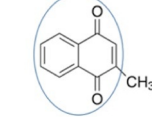
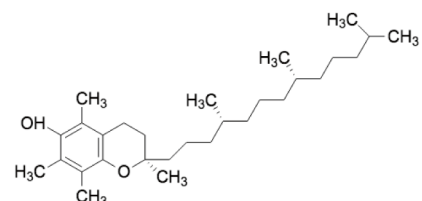
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Table 1 Molecular structure and physical properties of vitamins (ChemAxon 2020; DrugBank 2020; Peinado et al. 2019)

Vitamin	Molecular formula	Chemical structure	Molecular weight (g mol ⁻¹)	Water solubility (g L ⁻¹)	Log S ^a	Log P ^b
Vitamin B						
Cyanocobalamin (Vitamin B ₁₂)	C ₆₃ H ₈₈ CoN ₁₄ O ₁₄ P		1355.365	0.0202	-4.8	-3.2
Thiamine (Vitamin B ₁)	C ₁₂ H ₁₇ N ₄ OS		265.355	0.0153	-4.3	-3.1
Ascorbic acid (Vitamin C)	C ₆ H ₈ O ₆		176.124	245	0.14	-1.9
Pyridoxine (Vitamin B ₆)	C ₈ H ₁₁ NO ₃		169.178	16.1	-1	-0.95
Riboflavin (Vitamin B ₂)	C ₁₇ H ₂₀ N ₄ O ₆		376.364	0.657	-2.8	-0.92
Niacin (Vitamin B ₃)	C ₆ H ₅ NO ₂		123.109	83.1	-0.17	-0.17
Folic acid (FA) Vitamin B ₉	C ₁₉ H ₁₉ N ₇ O ₆		441.397	0.0761	-3.8	-0.04
Biotin (Vitamin H or B ₇ or B ₈)	C ₁₀ H ₁₆ N ₂ O ₃ S		244.311	1.22	-2.3	0.32
Retinol (Vitamin A)	C ₂₀ H ₃₀ O		286.452	0.00758	-4.6	4.69

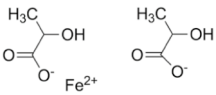
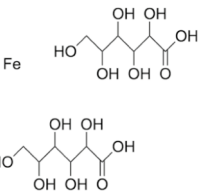
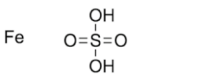
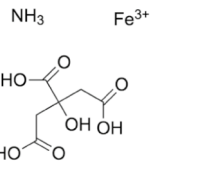
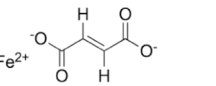
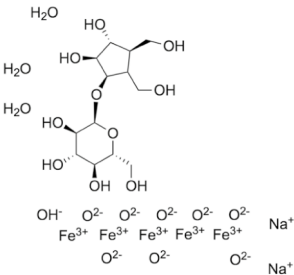
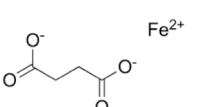
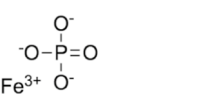
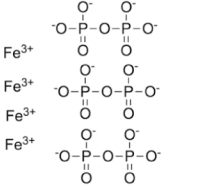
Table 1 (continued)

Vitamin D						
Cholecalciferol (Vitamin D ₃)	C ₂₇ H ₄₄ O		384.638	0.00038	-6	7.13
Ergocalciferol (Vitamin D ₂)	C ₂₈ H ₄₄ O		396.648	0.000433	-6	7.05
Vitamin K						
Phylloquinone (Vitamin K ₁)	C ₃₁ H ₄₆ O ₂		450.696	5.92e-05	-6.9	9.7
Menaquinone (Vitamin K ₂)	C ₃₆ H ₄₈ O ₂		512.778	0.000328	-6.2	10.14
Menadione (Vitamin K ₃)	C ₁₁ H ₈ O ₂		172.18	0.504	-2.5	1.89
Vitamin E	C ₂₉ H ₅₀ O ₂		430.706	7.4e-06	-7.8	10.51

^a log S is the 10-base logarithmic measurement of solubility

^b log P is the 10-base logarithmic measurement of the partition coefficient in octanol-water solution

Table 2 Molecular structure and physical properties of iron (ChemAxon 2020; DrugBank 2020)

Iron type	Molecular formula	Chemical structure	Molecular weight (g mol ⁻¹)	Water solubility (g L ⁻¹)	Log S ^a	Log P ^b
Ferrous lactate	C ₆ H ₁₂ FeO ₆		233.98	165	-0.15	-0.47
Ferrous gluconate	C ₁₂ H ₂₄ FeO ₁₄		448.15	36.6	-1.1	-3.4
Ferrous sulphate	FeO ₄ S		153.92	256	---	-0.84
Ferric ammonium citrate	C ₆ H ₈ FeNO ₇		261.98	106	-0.26	-1.3
Ferrous fumarate	C ₄ H ₂ FeO ₄		169.90	13.1	-1.2	-0.041
Sucoferric oxyhydroxide (Iron saccharate)	C ₁₈ H ₂₇ FeO ₂₄		866.546	9.52	-1.8	1.99
Ferrous succinate	C ₄ H ₄ FeO ₄		171.917	31.8	-0.85	-0.4
Ferric orthophosphate (Ferric phosphate)	FePO ₄		150.82	Anhydrous: insoluble Dehydrated: 0.642 g/100 ml (100 °C)	---	-1
Ferric pyrophosphate	Fe ₄ O ₂₁ P ₆		745.21	---	---	-1.4

^a log S is the 10-base logarithmic measurement of solubility^b log P is the 10-base logarithmic measurement of the partition coefficient in octanol-water solution