

caffeine

04-caffeine (CAS# 58-08-2)															
Table 1a. Sub-lethal acute poisoning (single dose): Clinical observations (time related)															
Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case. dose. time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: µM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to recovery): h
1	Ippen 1977	1	23M	U, A	30	(a)	6		160	823.91			0h: SZ, E	AC	
		1					24		60	308.97					18
2	May 1981	2	22M	U, A	4		1		74.6	384.15					
		2					6		37.3	192.07					
		2					11		18.7	96.29					
		2					16		9.4	48.147					
		2	21M	U, A	9		2		42	216.28			ba: G, V; 0h: MS	NR	N R
3	Zimmerman 1985	3	37F	S, A	NR	(b), E	15	(c)	199	1024.7			0h: C, SZ, LP	0h: ST, AR	
		3				E	16	y	65	334.71			MA, HA, E, (d)		
		3				E	18	y	40	205.98			3h: CA	3h: CR	
		3				E	23		55	283.22			l: R, KF	8h: HP8h	
		3				E	34		20	103					648
4	Price 1990	4	58F	S, A	35	X	3		194	999			0h:G, V, MS, E, (e),	0h:ST, AA	
		4					39.5		93	478.9			HA		48
5	Leson 1988	5	16M	S	7	ED	20		91	468.6			V; 0h: H, E, MS	ST	
		5				E	51		23	118.44					E45
<b>Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms. symptoms and signs. treatment)]</b>															
MW caffeine = 194.2															
(a) whole body dermal application.															
(b) plus aspirin.															
(c) acetylsalicylic acid < 100 mg/l.															
(d) hypokalemia.															
(e) hypokalemia (potassium 2.4 mEq/l).															

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Table 1b. Sub-lethal acute poisoning (single dose): Clinical observations (without time information)															
Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case. dose. time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: µM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to recovery): h
											(a)	(a)			
no cases															
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms. symptoms and signs. treatment)]															
MW caffeine = 194.2															
Table 2a. Lethal acute poisoning (single dose): Clinical observations (time related)															
Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case. dose. time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: µM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to death): h
no cases															
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms. symptoms and signs. treatment)]															
MW caffeine = 194.2															

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Table 2b. Lethal acute poisoning (single dose): Clinical observations (without time information)															
Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case. dose. time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: µM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to death): h
no cases															
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms. symptoms and signs. treatment)]															
MW caffeine = 194.2															
Table 3a. Post-mortem observations (time related)															
Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case. dose. time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: µM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to death): h
1	AAPCC 1988:469	1	27F	S, A	NR		NR		305	1570.59			0h: H, LP, R; 1.5h: HA l: SZ, CA	0h:ST l: AR, AA, AC	3.17
2	Baselt 1977	2	45F	NR	50		NR	T	79	406.81			NR	NR	2.5
3	Turner 1977	3	34F	S, A	NR		NR	T	106	545.84			ba: MS, V; 0h: C, SZ, MA		E4
4	Winek 1985	4	21F	S, A	NR		NR	T	240	1050.5			ba(2.5h): RA; 0h: CA, MA	ba(2.5h): ST, CR, AR; 0h: CR 0.5h	3.5
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms. symptoms and signs. treatment)]															
MW caffeine = 194.2															

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Table 3b. Post-mortem observations (without time information)															
Ref No.	Reference (linked to full source)	Case No.	Case age/sex	Case category	Dose: g	Notes (case. dose. time)	Time (exposure to sampling): h	Notes (blood sample)	Blood conc.: mg/l	Blood conc.: µM	Metabolite Blood conc.: mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to death): h
1	AAPCC 1989:543	1	30			(a)			210	1081.39					
2	McGee 1980	2	19F					wb	181	932.05					
3	Bryant 1981	3	42F					sr, (b)	113.5	584.46					
4	Mrvos 1989	4	22F					(c)	1560	8033.16					
<b>Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms. symptoms and signs. treatment)]</b>															
MW caffeine = 194.2															
(a) plus alcohol.															
(b) serum ethanol 250 mg/l.															
(c) blood concentration measured during resuscitation attempt.															