

79-sodium pentobarbital (CAS# 57-33-0)																
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	Fisher 1948	1	34F	S, A			16		16	70.7			C			
		1					22		10	44.2						
		1						28		9.5	41.9					
		2	21M	S, A				4		14	61.7			C		
		2						10		8	35.4					
2	Roche 1950	3	23F	S, A	NR		2		14	61.9			C			
		3					16		16	70.7						
		4	47F					14		22	97.2			DC 54h	0h: ST, AL(a)	
		4					37		16	70.7			3d: PN			
		4					65		8	35.4						
3	Wright 1955	5	34M		NR		36		10	44.2			MS	ST	NR	
		4	Berman 1956	6	43F			18		13	57.4			C, 48h: RM/C	ST, AR	
		7	59M	S, A			10		42	185.6			0h: C, LP; 17h: RM/C	0h: AL(b)	240	
		7					16		31	137			5h: HD 6h			
		5	Broughton 1956	8	24			15		61	269.6			C; 55h: RM	ST, A (c)	NR
6	Lee 1965	8					45		20	88.4						
		8					85		7	30.9						
		9	63		NR		3		29	128.1			C	ST, A(c)		
		10	39		NR		3		21	92.8			MS			
		11	31F	NR	NR		20		80	353.5			DC, CA(d)	ST, AR, CR, HDx2		
7	Bloomer 1965	11					26		27	119.3						
		11					46		66	291.6						
		11					51		29	128.1						
		12	65M				10		43	190			0h: C, LP	0h: ST, FD, UL		
		12					45		11	48.6			5h:(d); 35h: RM/C	5.5h: PD 29h		
8	Bloomer 1966	13	NR	NR	NR		18		19	83.9			NR	ST		
		13					48		9.4	41.5						
		14	24F			(e)	10		27	119.3			0h: DC, CA(d,f)	0h: ST, CR, AR	624	
9	Lash 1967	14					15		14	61.9			5h: CF, K; I: PN	1h: PD 40h		
		14					35		23	101.6			65h: RM/C			
		14				E	50		14	61.9						
		15	28F	S, A			21		74	327			0h: C 38h	0h: ST, AR;	192	
10	Keusch-Beck 1980	15					25		42	185.6			I: AP	3.5h: HP 4h		
		15											I: HP 9h			
		15														
11	Clark 1966	16	35M			24		42	185.6			ba: C, CY; I: PE, HF	FD, HD x 4 (2-3d)	720		

Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW pentobarbital = 226.3															
(a) nikethamide, caffeine.															
(b) pentylenetetrazol.															
(c) picrotoxin i.v.															
(d) hypothermia.															
(e) plus Meprobamate, blood conc 10h: 1.25mg/l.															
(f) extreme hypothermia, 21°C, and cardiac arrest >1h.															
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 mg/l	Metabolite Blood conc.: µM	Symptoms and signs	Treatment	Time (exposure to recovery): h
1	Kyle 1953	1	50F		NR				57	251.9			DC	HD 5h	
2	Sunshine 1954	2	NR		NR				25	110.5			C		
		3	NR		NR				18	79.5			C		
		4	NR		NR				21	92.8			C		
		5	NR		NR				20	88.4			C		
3	Berman 1964	6	AdF		NR				78	344.7			C	PD	
		7	AdF		NR				29	128.1			C	PD	
4	Linton 1964	8	22M	NR					45	198.9			C 24h	ST, AR, HD	
		9	42M	NR					46	203.3			C 24h	ST, AR, HD	
		10	42M	NR					38	167.9			C 20h	ST, Ar	
		11	49F	NR	NR				32	141.4			C 18h	ST, AR	
		12	26M	NR					42	185.6			C 28h	ST, AR	
5	Linton 1967	13	NR	NR	NR				32	141.4			NR	ST, FD	
		14	NR	NR	NR				45	198.9			NR	ST, FD	
6	Prescott 1973	15	27M		NR				28	123.7			C 24h		
7	Koffler 1978	16	NR		NR				40	176.8			C		
8	Keusch-Beck 1980	17	29F	S, A				(a)	17.7	78.2			0h: C 32h	0h: ST, AR	48
		17												7h: HP 4h	
		17												l: HP 4h	
9	Cordell 1986	18	39M	S, A	3.25	ED			6.1	27			ba: LP; 3h: R, N, L	ST, AR	528
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW pentobarbital = 226.3															
(a) after first HP.															

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
1	Vale 1975	1	56M	S, A	NR	(a), ET	2		56	247.5			ba(-1h): CA; 0h: DC(b), LP; 32h: CA(c); OL: B	ba(-1h): CR 0h: St, AR 24h: HP 8h	
2	Haapanen 1982	2	59M	S, A	NR	(d)	48		45	198.9			0h: DC, RA OL:B(e)	0h: ST, AR I: HPx2	
3	Cordell 1986	3	17M	S, A	NR	(f), ET	4		30.7	135.7			C, RA		216
4	Résièrè 2001	4	45M	S, A	18		1		83.5	369			C		
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW pentobarbital = 226.3															
(a) plus alcohol, admission blood level 1750 mg/l.															
(b) hypothermia 33°C.															
(c) internal bleeding from an attempted cannulation of a vein may have contributed to the death.															
(d) plus carbromal.															
(e) necroses of the ganglions. Deep thrombosis of the leg and embolus of right pulmonary artery.															
(f) i.v. administration.															
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
1	AAPCC 1989: 524	1	36	S, A		(a)			42	185.6			ba: CA, 0h: C; I: SZ, B	0h: ST, AR	
2	AAPCC 1992: 618	2	68		NR	(b)			13.6	60.1					
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW pentobarbital = 226.3															
(a) iv self-infusion.															
(b) + alprazolam.															

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	Wright 1955	1	50F		NR	E	8	T	38	167.9			fd; OL: P	NT	
2	Broughton 1956	2	54		NR	(a)	4	T	90	397.7			NR	NR	
3	Curry 1960	3	NR		NR		0.2		14	61.9					
		4	NR		NR		1		16	70.7					
		5	NR		NR		1		10	44.2					
		6	NR		NR		1.5		24	106.1					
		7	NR		NR		1.5		35	154.7					
		8	NR		NR		2		75	331.4					
		9	NR		NR		2		34	150.2					
		10	NR		NR		2.5		25	110.5					
		11	NR		NR		3		52	229.8					
		12	NR		NR		6		18	79.5					
		13	NR		NR		6		100	441.9					
		14	NR		NR		6		65	287.2					
		15	NR		NR		8		100	441.9					
		16	NR		NR		13		18	79.5					
4	Pounder 1990	17	38M		NR	(b)	36		48.3	213.4					
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW pentobarbital = 226.3															
(a) plus paraldehyde.															
(b) also amobarbital and secobarbital.															

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 1987: 342	1	35	S, A	NR				50	220.9			ba: CA		
2	Goldbaum 1948	2	NR		NR			T	40	176.8			fd		
3	Rehling 1967	3	60 cases		NR	(a)			38.2	168.8					
4	Wright 1955	4	35F		NR				24	106.1			DC(b); OL: B, P	NT	NR
5	Broughton 1956	5	39		NR			T	241	1065			fd		
6	Sunshine 1957	6	14 cases		NR			T	42	185.6					
7	Bonnichsen 1961	7	16 cases		NR	(c)		T	28	123.7					
8	Poklis 1975	8	53M		NR			T	21	92.8			fd		
9	Dinovo 1976	9	56 cases		NR				25.2	111.4					
10	Cravey 1977	10	11 cases					T	33.3	147.1					
11	Robinson 1978	11	21M		NR			T	10	44.2					
		12	49M		NR			T	25	110.5					
12	Christensen 1985	13	38 cases		NR			(d)	125	552.4					
13	Backer 1975	14	22M	S, A		(e)			279	1233					
14	Romain 2003	15	51M	S, A		(e)		pl	21.7	95.9					
15	Shaw 1981	16	38M	S, A		(e)			173	764.5			OL: PE		
		17	32M	S, A					113	499.3			OL: PE		
16	Clark 1979	18	20M	S, A		(e)			47	207.7			OL: B, L, K		
17	Résièrè 2001	19	45M	S, A	18					430			C		
18	Giroud 1999	20	8 cases	S	10				37.9	167.5					
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW pentobarbital = 226.3															
(a) adults.															
(b) died before arrival in hospital.															
(c) pure pentobarbital intoxications.															
(d) blood ethanol < 0.5 mg/l.															
(e) i.v. administration.															