

84-diphenhydramine (CAS# 58-73-1)															
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	Rinder 1988	1	22F	S, A	5		0.5	E	1.8	7.0			0h: PS; 0.5h: C, SZ; 2.5h: HA, F; 5.5h: RM ( SZ, F, HA)	0h: ST 0.5h: AR, AC	N R
2	Viertel 1994	2	28MX	S, A	1.5	E	16		1.75	6.9			0h: PS, MS, (a); E1h: C; 2h: RM	0h: ST, FD E1h: HP 3h	168
3	Lang 1995	3	27FX	S, A	1.5	E	10	(b)	2.8	11.0			0h: PS, MS (F,H), (c)	0h: NT	72
<b>Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]</b>															
MW diphenhydramine = 255.4															
(a) rhabdomyolysis, CK 13,000-58,000 U/L.															
(b) blood ethanol at admission 180 mg/l.															
(c) an anticholinergic syndrome.															
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
1	Wagner 1981	1	15 cases	NR	NR	(a)	NR		1.1	4.3			NR	NR	NR
2	Aderjan 1982	2	NR	NR	NR		NR		0.7	2.7			NR	NR	NR
		2	NR	NR	NR		NR		1.9	7.2			NR	NR	NR
		2	NR	NR	NR		NR		2	7.8			NR	NR	NR
		2	NR	NR	NR		NR		0.3	1.2			NR	NR	NR
		2	NR	NR	NR	(b)	E2		2.7	10.6			NR	NR	NR
3	Payne 1991	3	29F	S,A	NR		NR	p	5.6	21.9			SZ, MA, HA, PS; 52h: RM	AR, AA	52
4	Emadian 1996	4	29F	S,A	NR	(c)	NR		0.1	0.5			0h: PS(c); 72h: RM(PS)	ST, RC	N R
5	Mullins 1999	5	35F	S,A	16		NR		3.3	12.9			C, SZ	ST, HP, HD	NR
<b>Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]</b>															
MW diphenhydramine = 255.4															
(a) age between 17 and 78, ingested dose between 0.25 and 2.5 g, time to admission between 1.5 to 8 hours, blood levels between 0.2 and 3.0 mg/l.															
(b) traffic accident due to the hypnotic effect of diphenhydramine; also intake of Metaqualon 1 mg/l.															
(c) in cerebro spinal fluid, at admission.															
(d) anticholinergic syndrome and rhabdomyolysis (CK max 250,000 IU/L).															

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	Hausmann 1983	1	28MX	S, A	NR		E17	pl,T	5.0	19.6			0h: PS, H, N; 2h: HA, CA; 2.25h: MA	0h: NT; 2h: CR, AA	E17
2	Köppel 1987	2	30F	S, A	NR		E13	pl	4.7	18.4			0h: CA, RA (a)	0h: AR, CR, PM	E23
		2					E23	pl	3.8	14.9			l: HA(b)	3h: HP 6h	
<b>Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]</b>															
MW diphenhydramine = 255.4															
(a) severe hypothermia 16°C at admission. Found in a forest at a low temperature. Had been seen alive 24 h before.															
(b) electro-mechanical dissociation.															
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 1990:421	1	29	S, A	NR	(a)	NR		5.06	19.8			NR	NR	NR
2	AAPCC 1993:411	2	44	S, A	NR	NR	NR		4.99	19.5			ba: CA, RA	NR	NR
<b>Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]</b>															
MW diphenhydramine = 255.4															
(a) together with ethanol and cocaine.															

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 1986:267	1	15	S,A	6,3			T	9.7	38			0h: SZ, F, H, MA	0h: ST, AC, AR	6
2	Aderjan 1982	2	NR	S,A	NR			T	19.7	77.1			NR	NR	3
		3	NR	NR	NR	(a)			6.9	27			NR	NR	E12
<b>Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]</b>															
MW diphenhydramine = 255.4															
(a) diphenhydramine addict.															
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 1994:517	1	28	S, A	NR			(a)	11.9	46.6			ba: CA,RA	NR	NR
2	Siek 1974	2	NR	NR	13.3			wb,T	5	19.6			NR	NR	NR
3	Backer 1977	3	37M	S, A	NR			wb,T	31	121			fd; OL: PE	NT	NR
4	Baselt 1977	4	Ad	NR	NR			wb,T	8	31.3			NR	NR	NR
		5	Ad	NR	NR			wb,T	14	54.8			NR	NR	NR
5	Shkrum 1990	6	NR	NR	NR	(b)			7	28.2			KF, F; 11h: HA, CA	NR	NR
		7	NR	NR	NR	(b)			18	70.5			NR	NR	NR
		8	NR	NR	NR	(b)			20	78.3			NR	NR	NR
		9	NR	NR	NR	(b)			23	90.1			NR	NR	NR
		10	NR	NR	NR	(b)			28	110			NR	NR	NR
		11	67F	S, A	NR				26	102			fd	NR	NR
		12	20F	S, A	NR				16	62.6			fd	NR	NR
		13	25M	S, A	3				8.7	34.1			fd	NR	NR
		14	17M	S, A	NR	(c)			6.9	27.0			fd	NR	NR
6	Steven 1998	15	18F	S, A	3.6				24.9	97.5					
		16	57M	NR	NR				31.4	123.1					
		17	35F	NR	NR				35.1	137.4					
		18	49F	NR	NR				14.6	57.2					
7	Wogoman 1999	19	48F	S, A	NR				8.8	34.5			OL: PE, H, K		
8	Nine 2006	20	20M	S, A	NR				12.2	47.8			OL: PE	NR	NR
<b>Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]</b>															
MW diphenhydramine = 255.4															
(a) plus ethanol 58 mg/dl.															
(b) monoingestions of over the counter diphenhydramine sleep-aids.															
(c) plus acetylsalicylic acid, therapeutic blood level postmortem.															