

32-orphenadrine hydrochloride (CAS# 341-69-5)															
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	Gill 1975	1	2F	U, A	0.3	(a)	2	pl	12.3	45.7			0h: C, SZ; I: AP	0h: ST, AC, AR	72
		1					44	pl	0.4	1.5					
		2	4.3F	U,A	NR	(b)	7.5	pl	5.1	18.9			ba (-6h): C, SZ	0h: ST, AC	96
		2					9.5	pl	4.4	16.3			0h: C, SZ		
		2					11.25	pl	3.7	13.7					
		2					14	pl	3	11.1					
		2					19.5	pl	2.5	9.3					
		2					23.5	pl	1.9	7.1					
		2					32.5	pl	2.1	7.8					
		2					47	pl	1.1	4.1					
2	Bozza-Marrubini 1977	3	62F	S, A	3.9	ET	24	wb	2	7.5			0h: C, SZ, E (c)	12h: CR	120
		3						wb					12h: HA, CA; 72h: HA		
3	Clarke 1985	4	40M	S, Z	NR	(d), ET	3	wb	16.2	60.2			ba (-1): SZ, CA; 0h: HA,	0h: St, AR, AC	240
4	Furlanut 1985	5	24M	S, A	5	ED	12	sr	2.64	9.8			MA, CF; 24h: KF		72
		5					16	sr, p?	3.1	11.5					
		5					20	sr	2.19	8.14					
		5					24	sr	1.77	6.58					
		5					28	sr	1.78	6.61					
		5					32	sr	1.57	5.83					
		5					40	sr	0.88	2.27					
		5					66	sr	0.11	0.41					
5	S-SÖS 1992	6	36F	S, A	NR	(e)	3	(f)	495	1840			0h: C, SZ; I: PS	0h: ST, AC	48
<b>Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]</b>															
MW orphenadrine 269.4															
(a) child, weight 12.0 kg.															
(b) child, weight 17.1 kg.															
(c) hypokalemia.															
(d) chronic schizophrenic on regular i.m. depot phenothiazines and oral orphenadrine.															
(e) and 6 bottles of beer.															
(f) serum ethanol concentration 24 mM.															

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
no cases															
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW orphenadrine 269.4															
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	Bozza-Marrubini 1977	1	1.5M	U, A	NR	(a)	30	wb	4	14.9			ba(-5): C, SZ, CA 0h: HG; 24h: L 27h: CP, P, R; OL: B, H, P	ba: CR 0h: ST, AR, AC	36
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW orphenadrine 269.4															
(a) child, 18 months old.															

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 orphenadrine 269.4															
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	Robinson 1977	1	26M		NR	(a)		T	6.0	22.3			0h:C,SZ		1.5
2		2	26F		NR	(b)		T	33	122.6			0h: C, SZ	CR, AR	1.5
		3	34F		NR	(c)			14	52.0					E3
		4	46F		NR	(d)			5.5	20.4			0h:C,SZ 1.5h:CA		E3
		5	49M		NR	(e)			10	37.1			C,SC	AA	E24
3	De Mercurio 1979	6	25F	S, Z	NR	(f)			21	78.0			0h:DC,CA	0h:CR,AR72h	72 (h)
4	Blomquist 1980	7	42F	S	NR	(g)			60	222.9					E3
5	Wilkinson 1983	8	19M	NR	NR				18	66.9			fd		E2.5
Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]															
MW orphenadrine 269.4															
(a) schizophrenic from 15 years; various drugs prescribed.															
(b) psychiatric history and had taken drug overdose in past (orphenadrine and nitrazepam had been prescribed).															
(c) history of depressive illness and of previous attempts to commit suicide.															
(d) long history of mental illness.															
(e) long history of psychiatric treatment.															
(f) in treatment with orphenadrine for parkinsonism.															
(g) committed suicide in the hospital; the patient got an injection of diazepam to stop convulsions.															
(h) the electroencephalogram (EEG) persistently flat, mechanical ventilation for 3 days, autopsy 48 h after death.															

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	Jackson 1967	1	NR	NR	NR				4	14.9					
2	Alha 1972	2	NR	NR	NR				10	37.1					
3	Robinson 1977	3	17M	INR	NR	(a)			16.5	61.3					
		4	24M	INR	NR	(b)			7.0	26.0			0.5h: C, SZ	AR, CR	
		5	25M	INR	NR				18.0	66.9					
		6	43M	INR	NR	(c)			37	137.4					
		7	49F	INR	NR	(d)			1.1	4.1			C, SZ		
		8	69F	INR	NR	(e)		(i)	6.0	22.3					
4	Blomquist 1980	9	30M	INR	NR	(f)		(j)	7.2	26.7					
		10	29M	NR	NR				76	282.3					
		11	NR	NR	NR	(g)			7	26.0					
5	Clarke 1985	12	NR	NR	NR	(g)			9	33.4					
		13	NR	NR	NR	(g)			18	66.9					
6	Fucci 2001	14	38M	NR	NR	(h)		(k)	183.0	679.3				fd	
<b>Footnotes [General Glossary (via link) lists definitions of common abbreviations (general terms, symptoms and signs, treatment)]</b>															
MW orphenadrine 269.4															
(a) deceased had been prescribed a variety of drugs.															
(b) history of depressive illness; took unknown number of tablets, possibly 50.															
(c) psychiatric history; various drugs had been prescribed.															
(d) long history of mental illness and one previous drug overdose.															
(e) large number of orphenadrine tablets "missing".															
(f) history of psychiatric illness; only chlorpromazine and orphenadrine had been prescribed.															
(g) pure orphenadrine poisoning recorded by the National Poisons Unit at Guy's Hospital, London, England, between 1977 and 1980.															
(h) fatal intoxication with orphenadrine and clozapine.															
(i) alcohol level <0.01%.															
(j) chlorpromazine concentration 2.6 mg/l.															
(k) heart blood; clozapine concentration in post-mortem sample 44 mg/l.															