

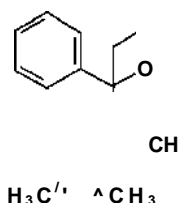
# Propoxyphen

## Synonyme:

Propionsäure-[(4-Dimethylamino-1,2-diphenyl)-3-methyl-2-butyl]-ester  
 4-Dimethylamino-1,2-diphenyl-3-methyl-2-propoxybutan  
 a-(2-Dimethylamino-1-methyl)-a-phenylphenethylester

## Chemische Formel:

$C_{22}H_{29}NO_2$



## Beschaffenheit:

Polamidon-ähnlich.

## Verwendung:

Analgesie

Tagesdosen: 128-390 mg als Hydrochlorid, 200-600 mg als Napsylat (bei Morphinabhängigen bis 1400 mg).

## Vorkommen:

Kombination mit Paracetamol und Acetylsalicylsäure

Halbwertszeit (8-24 Std): 15 Std. bzw. 27 Std. für Norpropoxyphen oral und parenteral (Hydrochlorid).

## Wirkungscharakter und Stoffwechselverhalten:

Morphinartiges Analgetikum; Polamidon-ähnliche Struktur.

Nach parenteraler Applikation lokale Schädigung möglich.

Metabolisierung über N-Demethylierung zu Norpropoxyphen (13,2%), das im Serum infolge der längeren Halbwertszeit kumuliert (Nickander), weiterer Abbau zu Dinorpropoxyphen (0,7%) 75,1% werden unverändert im Urin in 7 Tagen ausgeschieden (MCMAHON; GRAM). In toxischer Dosis Atemdepression

und Kardiotoxizität. (Norpropoxyphen hierfür verantwortlich).

Die minimal toxische Dosis liegt bei 500 mg bei Erwachsenen.

## Therapeutische Konzentration:

0,23 mg/l nach 2 Std.

0,27 mg/l nach 4 Std.

0,42 mg/l bei chronischem Gebrauch (VEREBELY).

**Toxizität:**

LDL<sub>0</sub> oral Mensch: 20 mg/kg

LD<sub>50</sub> oral Ratte: 18 mg/kg

LD<sub>50</sub> subkutan Maus: 204 mg/kg

Toxische Blutkonzentration: 1 mg/l (1,6-2) (Schon).

Letale Blutkonzentration: 2 mg/l (1-1,7), d.h. 500-800 mg oral (STUVNER; CRAVEY, BASELT; FINKLE; MCBAY; CAPLAN; FINKLE)

Letale Konzentration:	Hirn 21 mg/l	(8,8-40)
	Leber 59 mg/l	(7,3-119)
	Urin 20 mg/l	(2,5-35)

**Symptome und klinische Befunde:**

Bewußtlosigkeit, Koma, Krämpfe, Atemdepression, Herzrhythmusstörungen, Schock, Lungenödem, Herzversagen, helle, rote Haut. Morphinabhängigkeit bei chronischem Gebrauch.

**Nachweis:**

UV (WALLACH; MCBAY)

GC (NORHEIM; SERFONTEIN; ANGELO; CHRISTENSEN; CLEEMANN)

MS (WOLEN)

**Therapie:***Akut:*

Beatmen, Antidot Naloxon (KERSH), da das jedoch nicht immer wirkt (KARLINER; BOGARTZ; WARREN; MAUER; NICKANDER).

*Chronisch:*

Verhaltenstherapeutische Entwöhnung nach Entgiftung siehe Heroin.

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