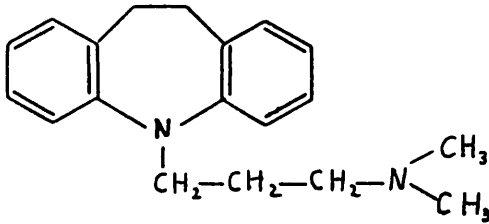


# Imipramin

N-(Dimethylamino-3'-propyl)-iminodibenzyl

C<sub>19</sub>H<sub>24</sub>N<sub>2</sub>

MG 280,4



Extraktion: aus alkalischen Lösungen mit Äther oder Chloroform

D C : LM 1 (Essigsäureäthylester-Methanol-Ammoniak 85:10:5)

Rf 0,63

LM 6 (Methanol-Ammoniak 99:1)

Rf 0,44

Detektion: Dragendorffs Reagenz: orange-braun

G C : Retentionsindices bei 200° 3% OV 1 2210

3% OV 17 2525

U V : Methanol

Max. 250 nm, E (1%/1cm) 280

Schulter 270 nm, E 204

0,1 N H<sub>2</sub>SO<sub>4</sub>

Max 250 , E 265

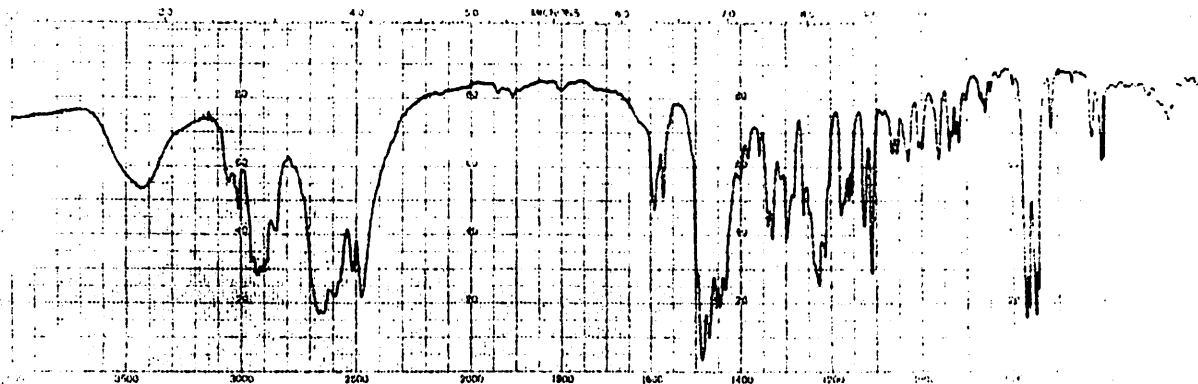
Schulter 270 , E 213

Boratpuffer, pH 9,5

Max. 251 , E 265

Schulter 270 , E 226

I R : 2515, 2470, 1590, 1570, 1485, 1470, 1455, 1455, 1432,  
1330, 1295, 1260, 1225, 1210, 1125, 1110, 770, 762,  
750, 742 cm<sup>-1</sup>



Dosierung: 25 - 75 mg/die

Blutspiegel: therapeutisch 0,05-0,15 ug/ml

toxisch 0,7 ug/ml

letal 2 ug/ml

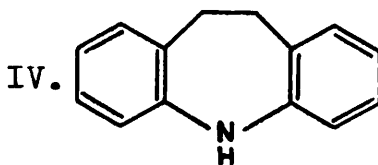
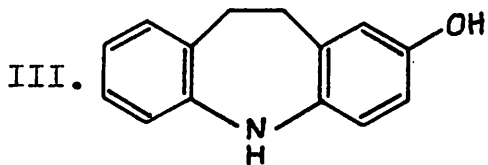
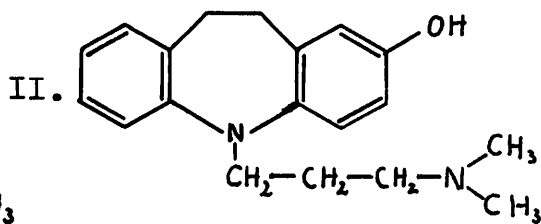
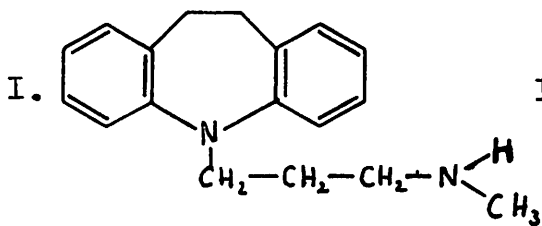
Metabolismus: Desmethylierung und Hydroxilierung

I. N-(3-Methylaminopropyl)-iminodibenzyl

II. N-(3-Dimethylaminopropyl)-iminodibenzyl

III. 2-Hydroxy-iminodibenzyl

IV. Iminodibenzyl



M S : GC/MS Magnetgerät 290°, 70 eV

MP 280

BP 58

36	15 %	208	13 %
58	100 %	220	11 %
85	54 %	235	57 %
130	14 %	280	21 %
195	22 %		

Imipramin 0108K1320

