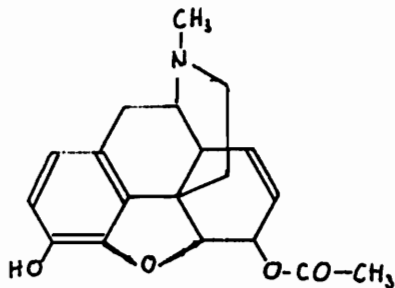


C⁶ - Acetylmorphin



6-Acetoxy-7,8-dehydro-4,5-epoxy-3-hydroxy-N-methyl-morphinan

C₁₉H₂₁NO₄

MG 327,4

Fp 192-193° C (als Base)

Extraktion: aus alkalischer Lösung mit Äther oder Dichlormethan

D C : LM 1 (Essigester-Methanol-Ammoniak 85:10:5) Rf 0,17

LM 6 (Methanol-Ammoniak 99:1) Rf 0,54

Detektion: UV-Licht: Fluoreszenzlöschung

Jodplatinat : braunviolett

Dragendorff's Reag: rotorange

Echtblausalz B : gelborange

G C : Retentionsindices

| | | | |
|---------|----|------|------|
| 1 % OV | 1 | 240° | 2583 |
| 2,5% OV | 1 | 250° | 2534 |
| 1 % OV | 17 | 260° | 2996 |
| 2,5% OV | 17 | 270° | 3076 |

U V : Methanol

Max. 287 nm

0,1 N H₂SO₄

Max. 284 nm, E(1%, 1cm) 33,5

Boratpuffer, pH 9,5

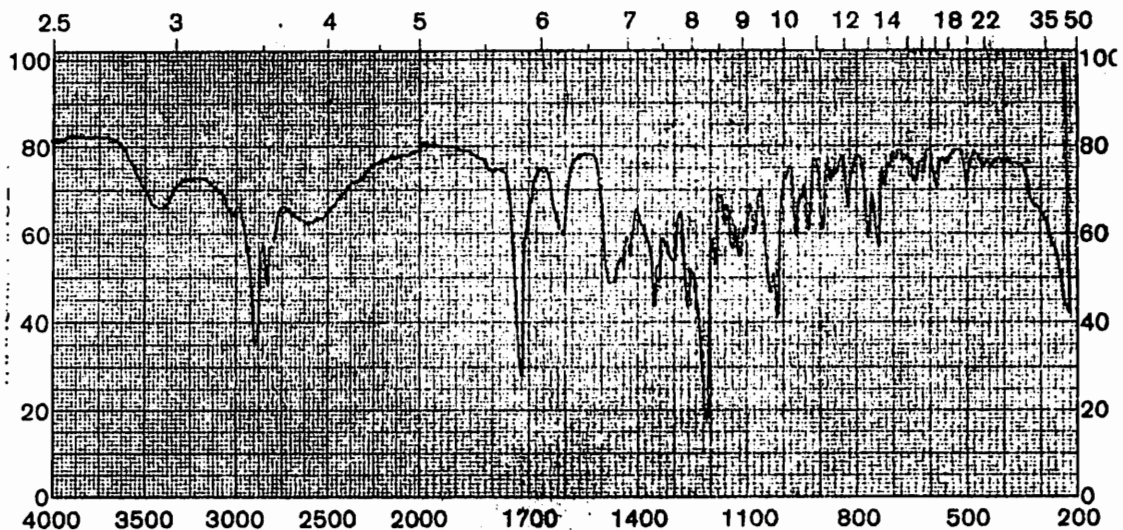
Max. 285,5 nm, E(1%, 1cm) 33

0,1 N NaOH

Max. 297 nm, E(1%, 1cm) 59

Max. 250 nm, E(1%, 1cm) 119

I R : 1715, 1495, 1455, 1360, 1295, 1235, 1030, 960, 935, 910, 870, 800 cm⁻¹ (als Base)



Metabolismus: Metabolit von Diacetylmorphin
in Blut bis 10 Minuten nach Injektion nachzuweisen

D.A.Smith & W.J.Cole: Rapid and sensitive gas chromatographic determination of diacetylmorphin and its metabolite monoacetylmorphine in blood using a nitrogen detector.

J.Chromatography 105, 377-381 (1975)

im Urin neben Heroin, Morphin und Normorphin

S.Y.Yeh & R.L.McQuinn: GLC Determination of heroin and its metabolites in human urine

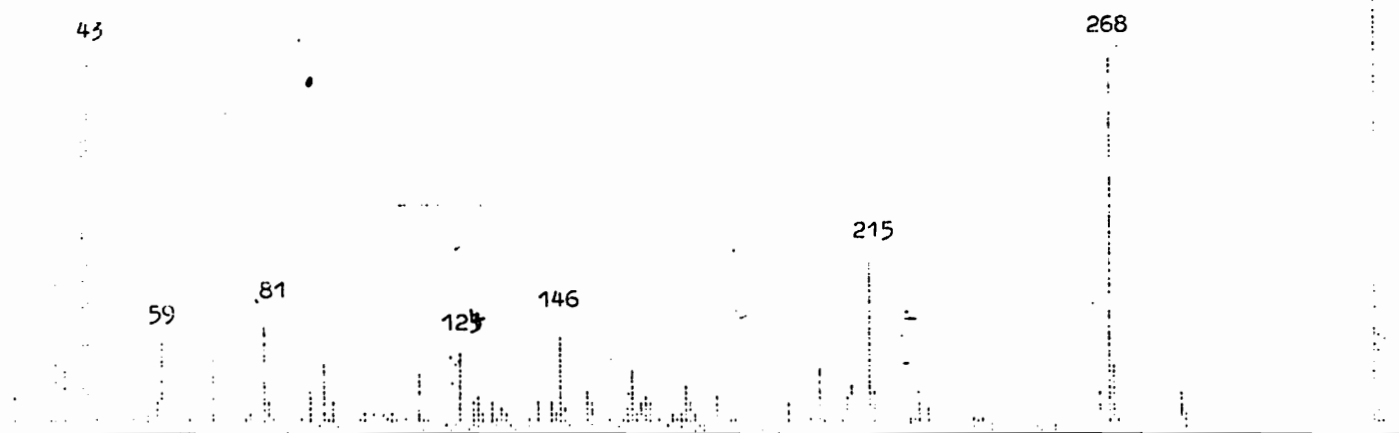
J.Pharmaceutical Sci. 64, 1237-1239 (1975)

MS : Magnetgerät 70 eV

MP = BP 327

| | | | |
|-----|------|-----|-------|
| 43 | 71 % | 146 | 19 % |
| 59 | 18 % | 215 | 32 % |
| 81 | 20 % | 268 | 70 % |
| 124 | 15 % | 327 | 100 % |

M⁺
327



BOHN 1979