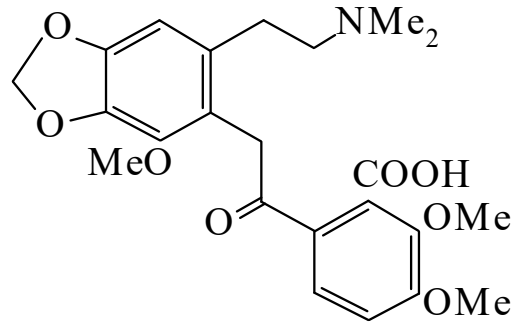
>>**Entry Name: Narceine**
Synonym(s): 6-[[6-[2-(Dimethylamino)ethyl]-4-methoxy-1,3-benzodioxol-5-yl]acetyl]-2,3-dimethoxybenzoic acid, 9CI



CAS Registry Number: 131-28-2

Molecular Formula: $C_{23}H_{27}NO_8$
Molecular Weight: 445.468
Accurate Mass: 445.173669
Percentage Composition: C 62.01%; H 6.11%; N 3.14%; O 28.73%
Biological Source: Alkaloid from *Papaver somniferum* (Papaveraceae)
Use/Importance: Respiratory stimulant, antitussive agent. Shows no analgesic activity. Antihypertensive agent. Intestinal smooth muscle stimulant. Reagent for I_2
Physical Description: Cryst. (MeOH/Et_2O or H_2O)
Melting Point: Mp 176-178° (trihydrate). Mp 145° (anhyd.)
pKa Value: pK_{a1} 3.5; pK_{a2} 9.3 (15°)
Calculated Log P Data: Log P –1.79 (uncertain value) (calc)

>>**Derivative:** Hydrochloride

Melting Point: Mp 192-193°

>>**Derivative:** Picrate

Melting Point: Mp 195°

>>**Derivative:** Methiodide

Melting Point: Mp 207°

>>**Derivative:** *N*-De-Me
Synonym(s): Nornarceine

CAS Registry Number: 483-89-6

Molecular Formula: $C_{22}H_{25}NO_8$
Molecular Weight: 431.441
Accurate Mass: 431.158019
Percentage Composition: C 61.25%; H 5.84%; N 3.25%; O 29.67%
Biological Source: Alkaloid from *Papaver somniferum* (Papaveraceae)
Melting Point: Mp 229° (223-225°)

References:

Rabe, P. *et al.*, *Annalen*, 1910, **377**, 223, *(struct, bibl)*
Addinall, C.R. *et al.*, *J.A.C.S.*, 1933, **55**, 1202; 2153, *(isol, synth)*
Briggs, L.H. *et al.*, *Anal. Chem.*, 1957, **29**, 904, *(ir)*
Klötzer, W. *et al.*, *Monatsh. Chem.*, 1972, **103**, 1210, *(synth, uv, ir, pmr)*
Blaskó, G. *et al.*, *J.O.C.*, 1982, **47**, 880, *(synth, uv, pmr)*
Baggio, R. *et al.*, *Acta Cryst. C*, 1996, **52**, 703, *(cryst struct)*