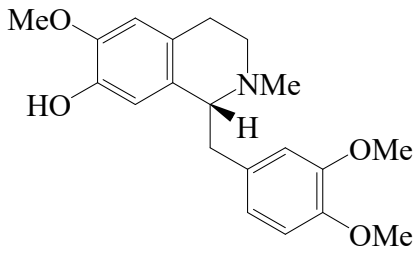
>>**Entry Name: Codamine**



(*R*)-*form*

Molecular Formula: $C_{20}H_{25}NO_4$
Molecular Weight: 343.422
Accurate Mass: 343.178359
Percentage Composition: C 69.95%; H 7.34%; N 4.08%; O 18.64%

>>**Variant:** (*R*)-form

CAS Registry Number: 21052-10-8
Molecular Formula: $C_{20}H_{25}NO_4$
Molecular Weight: 343.422
Accurate Mass: 343.178359
Percentage Composition: C 69.95%; H 7.34%; N 4.08%; O 18.64%
Physical Description: Cryst. (petrol)
Melting Point: Mp 127-128°
Optical Rotation: $[\alpha]_D^{17}$–68.8 (c, 1 in EtOH)

>>**Derivative:** Hydrochloride

Physical Description: Cryst. ($CHCl_3$/Et_2O)
Melting Point: Mp 120-125°
Optical Rotation: $[\alpha]_D^{18}$–56 (c, 0.5 in H_2O)

>>**Derivative:** Picrate

Physical Description: Cryst. (2-propanol)
Melting Point: Mp 147-149°
Optical Rotation: $[\alpha]_D^{24}$–84.4 (c, 1 in $CHCl_3$)

>>**Derivative:** Methiodide

Physical Description: Cryst. (2-propanol)
Melting Point: Mp 200-200.5°
Optical Rotation: $[\alpha]_D^{20}$–100 (c, 1 in EtOH)

>>**Variant:** (*S*)-form

CAS Registry Number: 21040-59-5

Molecular Formula: $C_{20}H_{25}NO_4$
Molecular Weight: 343.422
Accurate Mass: 343.178359
Percentage Composition: C 69.95%; H 7.34%; N 4.08%; O 18.64%
Biological Source: Minor constit. of opium, of *Bongardie chrysogonum*, *Guatteria chrysopetala* (Annonaceae), and *Argemone grandiflora*
Physical Description: Cryst. (petrol)
Melting Point: Mp 126-127°
Optical Rotation: $[\alpha]_D^{15}$+66.1 (c, 1 in EtOH)

>>**Derivative:** Hydrochloride

Physical Description: Cryst. ($CHCl_3$/Et_2O)
Melting Point: Mp 123°
Optical Rotation: $[\alpha]_D^{18}$+59 (c, 0.5 in H_2O)
Other Data: No CAS Reg No to CA 125.

>>**Derivative:** Picrate

Melting Point: Mp 147-149°

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