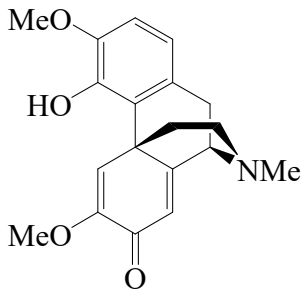
>>**Entry Name: Salutaridine**
Synonym(s): Floripavine. Sinoacutine. Salutarine



(+)-*form*

CAS Registry Number: 1936-18-1

Molecular Formula: $C_{19}H_{21}NO_4$
Molecular Weight: 327.379
Accurate Mass: 327.147059
Percentage Composition: C 69.71%; H 6.47%; N 4.28%; O 19.55%

partial racemate

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

Molecular Formula: $C_{19}H_{21}NO_4$
Molecular Weight: 327.379
Accurate Mass: 327.147059
Percentage Composition: C 69.71%; H 6.47%; N 4.28%; O 19.55%
Biological Source: Alkaloid from *Croton salutaris, Croton balsamifera, Papaver* spp. and *Glaucium* spp. (Euphorbiaceae, Papaveraceae)
Use/Importance: Intermediate in biosynth. of morphine alkaloids. Shows antitumour activity *vs.* Walker 256 carcinosarcoma
Physical Description: Rods (EtOAc)
Melting Point: Mp 197-198°
Optical Rotation: $[\alpha]_D$ +111 (c, 1.69 in EtOH)
UV: [neutral] λ_{max} 236 (); 279 () (MeOH) (Berdy)

>>**Derivative:** *N*-Oxide
Synonym(s): Salutaridine *N*-oxide

CAS Registry Number: 144860-15-1

Molecular Formula: $C_{19}H_{21}NO_5$
Molecular Weight: 343.379
Accurate Mass: 343.141974
Percentage Composition: C 66.46%; H 6.16%; N 4.08%; O 23.30%
Biological Source: Alkaloid from capsules of *Papaver bracteatum* (Papaveraceae)
Physical Description: Amorph.
Optical Rotation: $[\alpha]_D$ +52 (c, 0.146 in MeOH)

>>**Derivative:** Ac

Molecular Formula: $C_{21}H_{23}NO_5$
Molecular Weight: 369.416
Accurate Mass: 369.157624
Percentage Composition: C 68.28%; H 6.28%; N 3.79%; O 21.65%
Melting Point: Mp 171°
Optical Rotation: $[\alpha]_D$ +120 (c, 1.26 in EtOH)

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

Extra CAS Registry Numbers(s): 55781-26-5

Molecular Formula: $C_{18}H_{19}NO_4$
Molecular Weight: 313.352
Accurate Mass: 313.131409
Percentage Composition: C 69.00%; H 6.11%; N 4.47%; O 20.42%
Biological Source: Alkaloid from *Croton salutaris* (Euphorbiaceae)
Optical Rotation: $[\alpha]_D^{24}$+38.6 (c, 3.4 in EtOH)

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