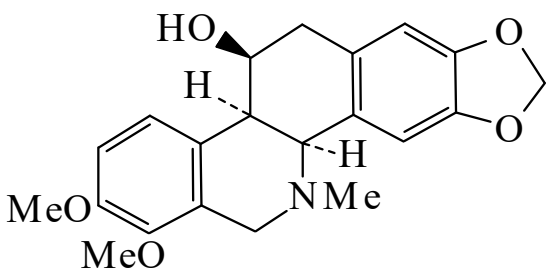
>>**Entry Name:** α-Homochelidonine
Synonym(s): 4*b*,5,6,11*b*,12,13-Hexahydro-1,2-dimethoxy-12-methyl[1,3]benzodioxolo[5,6-*c*]phenanthridin-5-ol, 9Cl. Homochelidonine



Absolute conf guration

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%

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

CAS Registry Number: 476-33-5

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%
Biological Source: Alkaloid from the roots of *Chelidonium majus* (Papaveraceae)
Use/Importance: Pharmacol. said to resemble that of Chelidonine CFP29-O
Melting Point: Mp 169-170°. Mp 182°. Mp 192-193.5°
Optical Rotation: $[\alpha]_D$ +116 ($CHCl_3$)
Solubility: BERDY SOL: Sol. MeOH, $CHCl_3$; fairly sol. Et_2O; poorly sol. H_2O

>>**Variant:** (±)-form

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%
Source/Synthesis: Synthetic
Melting Point: Mp 170-171°. Mp 192-193.5°

References:

Späth, E. *et al.*, *Ber.*, 1931, **64**, 1123, *(struct)*
Bersch, H.W., *Arch. Pharm. (Weinheim, Ger.)*, 1958, **291**, 491; *CA*, **53**, 15112b, *(ir, config)*
Slavik, S. *et al.*, *Coll. Czech. Chem. Comm.*, 1965, **30**, 3697, *(isol, uv)*
Ninomiya, I. *et al.*, *Heterocycles*, 1977, **7**, 137, *(synth)*
Hanaoka, M. *et al.*, *Tet. Lett.*, 1985, **26**, 5163, *(synth, pmr)*