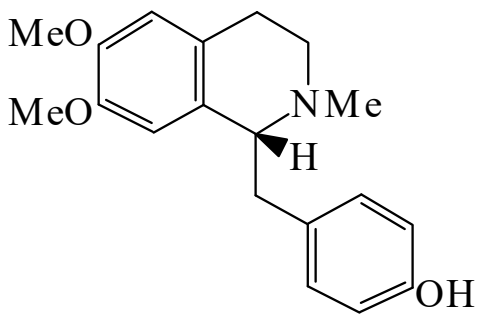
>>**Entry Name: Armepavine**
Synonym(s): 4-[(1,2,3,4-Tetrahydro-6,7-dimethoxy-2-methyl-1-isoquinolinyl)methyl]phenol, $_{9Cl}$. 1,2,3,4-Tetrahydro-1-(4-hydroxybenzyl)-6,7-dimethoxyisoquinoline. Evoeuropine



(*R*)-*form*

Molecular Formula: $C_{19}H_{23}NO_3$
Molecular Weight: 313.396
Accurate Mass: 313.167794
Percentage Composition: C 72.82%; H 7.40%; N 4.47%; O 15.32%

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

CAS Registry Number: 524-20-9

Molecular Formula: $C_{19}H_{23}NO_3$
Molecular Weight: 313.396
Accurate Mass: 313.167794
Percentage Composition: C 72.82%; H 7.40%; N 4.47%; O 15.32%
Biological Source: Alkaloid from *Papaver armeniacum* and many other spp. in several different families (Papaveraceae)
Use/Importance: Convulsive and irritant agent. Shows no spasmolytic, parasympatholytic or anaesthetic props. Produces cardiac irregularity
Melting Point: Mp 148-149° (138-148°)
Optical Rotation: $[\alpha]_D^{18}$ –109 ($CHCl_3$)

>>**Derivative:** Hydrochloride

Melting Point: Mp 151-152°

>>**Derivative:** Me ether
Synonym(s): (–)-*O*-Methylarmepavine

CAS Registry Number: 5701-00-8

Molecular Formula: $C_{20}H_{25}NO_3$
Molecular Weight: 327.422
Accurate Mass: 327.183444
Percentage Composition: C 73.37%; H 7.70%; N 4.28%; O 14.66%
Biological Source: Alkaloid from *Discaria serratifolia, Xylopia pancheri* and *Aconitum leucostomum* (Rhamnaceae, Annonaceae, Ranunculaceae)
Physical Description: Cryst. (petrol)
Melting Point: Mp 65°
Optical Rotation: $[\alpha]_D^{20}$ –81 (c, 1.2 in $CHCl_3$)

>>**Derivative:** Me ether, *N*-oxide
Synonym(s): *N*-Methylarmepavine *N*-oxide

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: Alkaloid from *Xylopia pancheri* (Annonaceae)
Physical Description: Cryst. (Me_2CO)
Melting Point: Mp 170-172°
Optical Rotation: $[\alpha]_D$ –7.9 (EtOH)