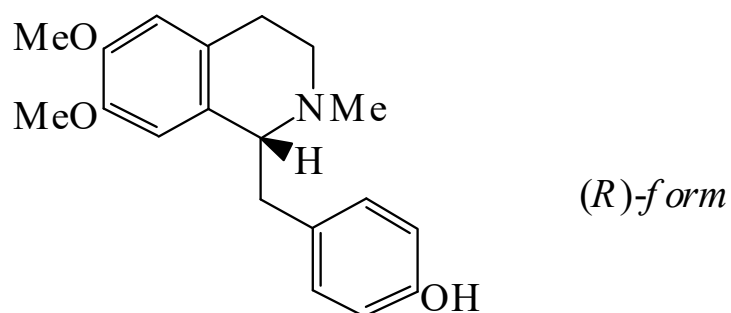




>>Entry Name: Armepavine

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



Molecular Formula: C₁₉H₂₃NO₃

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: C₁₉H₂₃NO₃

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: $[\alpha]_D^{18} -109$ (CHCl₃)

>>Derivative: Hydrochloride

Melting Point: Mp 151-152°

>>Derivative: Me ether

Synonym(s): (–)-*O*-Methylarmepavine

CAS Registry Number: 5701-00-8

Molecular Formula: C₂₀H₂₅NO₃

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*, *Xylopiya 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 CHCl₃)

>>Derivative: Me ether, *N*-oxide

Synonym(s): *N*-Methylarmepavine *N*-oxide

Molecular Formula: C₂₀H₂₅NO₄

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 *Xylopiya pancheri* (Annonaceae)

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 170-172°

Optical Rotation: $[\alpha]_D -7.9$ (EtOH)