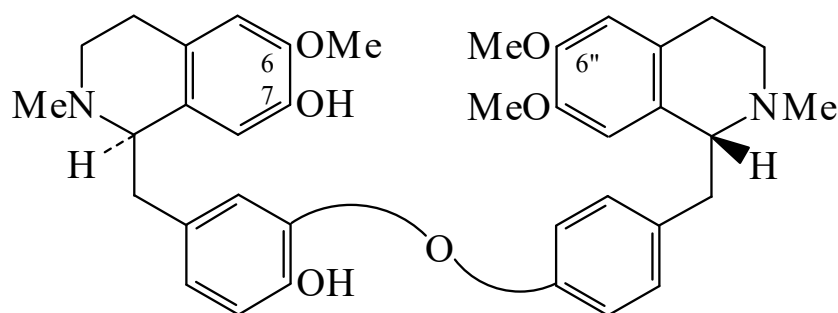




>>Entry Name: Daurisoline



CAS Registry Number: 70553-76-3

Molecular Formula: $C_{37}H_{42}N_2O_6$

Molecular Weight: 610.749

Accurate Mass: 610.304288

Percentage Composition: C 72.76%; H 6.93%; N 4.59%; O 15.72%

Biological Source: Alkaloid from *Menispermum dauricum* (Menispermaceae)

Use/Importance: Muscle relaxant

Melting Point: Mp 96-102°

Optical Rotation: $[\alpha]_D^{20} -129$ (c, 0.65 in MeOH)

Calculated Log P Data: Log P 6.4 (calc)

>>Derivative: $N^{2'}$ -De-Me

Synonym(s): 2'-N-Nordaurisoline. Pampulhamine. 7'-O-Methylpedroamine

CAS Registry Number: 110300-71-5

Molecular Formula: $C_{36}H_{40}N_2O_6$

Molecular Weight: 596.722

Accurate Mass: 596.288638

Percentage Composition: C 72.46%; H 6.76%; N 4.69%; O 16.09%

Biological Source: Alkaloid from the stems of *Abuta pahnii* (Menispermaceae) and leaves of *Aristolochia gigantea* (Aristolochiaceae)

Optical Rotation: $[\alpha]_D -58$ (c, 0.18 in MeOH)

Other Data: Obt. rotn. refers to Pampulhamine

>>Derivative: $N^{2'}$ -De-Me, 12-Me ether

Synonym(s): Geraldoamine. 7',12-Di-O-methylpedroamine. 12-O-Methylpampulhamine

CAS Registry Number: 112523-89-4

Molecular Formula: $C_{37}H_{42}N_2O_6$

Molecular Weight: 610.749

Accurate Mass: 610.304288

Percentage Composition: C 72.76%; H 6.93%; N 4.59%; O 15.72%

Biological Source: Alkaloid from leaves of *Aristolochia gigantea*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D -65$ (c, 0.1 in MeOH)

>>Derivative: O^6 -De-Me, O^7 -Me

Synonym(s): Dauricinoline

CAS Registry Number: 30984-80-6

Molecular Formula: $C_{37}H_{42}N_2O_6$

Molecular Weight: 610.749

Accurate Mass: 610.304288

Percentage Composition: C 72.76%; H 6.93%; N 4.59%; O 15.72%

Biological Source: Alkaloid from rhizomes of *Menispermum dauricum* (Menispermaceae)

Use/Importance: Muscle relaxant

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{21} -94.6$ (MeOH)