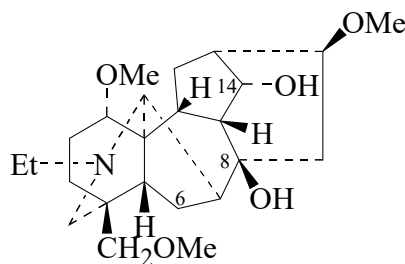




>>Entry Name: Talatizamine

Synonym(s): Talatisamine



CAS Registry Number: 20501-56-8

Molecular Formula: $C_{24}H_{39}NO_5$

Molecular Weight: 421.576

Accurate Mass: 421.282824

Percentage Composition: C 68.38%; H 9.32%; N 3.32%; O 18.98%

Biological Source: Alkaloid from *Aconitum talassicum*, *Aconitum nemorum*, *Aconitum carmichaeli*, *Aconitum variegatum*, *Aconitum franchetii*, *Aconitum forrestii*, *Aconitum columbianum*, *Aconitum saposhnikovii*, *Aconitum pseudogeniculatum*, *Aconitum dolichorhynchum* var. *subglabratum* and others (Ranunculaceae)

Melting Point: Mp 145-146° (142-143°)

Optical Rotation: $[\alpha]_D$ 0 (c, 1.0 in EtOH)

>>Derivative: O^{14} -Ac

Synonym(s): 14-Acetyltalatizamine

CAS Registry Number: 71239-55-9

Molecular Formula: $C_{26}H_{41}NO_6$

Molecular Weight: 463.613

Accurate Mass: 463.293389

Percentage Composition: C 67.36%; H 8.91%; N 3.02%; O 20.71%

Biological Source: Alkaloid from *Aconitum japonicum*, the aerial parts of *Aconitum columbianum* and the roots of *Aconitum carmichaeli* (Ranunculaceae)

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_D^{20} +19.7$ (c, 0.36 in $CHCl_3$)

>>Derivative: 8-Benzoyl, 14-Ac

Synonym(s): Transconitine A. 14-Acetyl-8-benzoyltalatizamine

CAS Registry Number: 175923-71-4

Molecular Formula: $C_{33}H_{45}NO_7$

Molecular Weight: 567.721

Accurate Mass: 567.319604

Percentage Composition: C 69.82%; H 7.99%; N 2.47%; O 19.73%

Biological Source: Alkaloid from roots of *Aconitum transsectum* (Ranunculaceae)

Physical Description: Amorph.

Optical Rotation: $[\alpha]_D^{20} +16.9$ (c, 0.002 in $CHCl_3$)

>>Derivative: O^{14} -Benzoyl

Synonym(s): 14-Benzoyltalatizamine

CAS Registry Number: 11037-59-5

Molecular Formula: $C_{31}H_{43}NO_6$

Molecular Weight: 525.684

Accurate Mass: 525.309039

Percentage Composition: C 70.83%; H 8.24%; N 2.66%; O 18.26%

Biological Source: Alkaloid from roots of *Aconitum kongboense* (Ranunculaceae) and *Aconitum nemorum*

Physical Description: Cryst. (hexane/ Me_2CO)

Melting Point: Mp 104-105°

Other Data: Erroneously claimed to be novel by Sultankhodzhaev