



Accurate Mass: 310.168128
Percentage Composition: C 73.52%; H 7.14%; N 9.03%; O 10.31%
Biological Source: Alkaloid from the whole plant of *Gelsemium elegans* (Loganiaceae)
Physical Description: Needles
Melting Point: Mp 258-260°
Optical Rotation: $[\alpha]_D^{22} -169.2$ (c, 0.052 in MeOH)

>>**Derivative:** O^{11} -De-Me, N^4 -Me

Synonym(s): 11-Hydroxyhumantenine, 9Cl

CAS Registry Number: 122590-04-9

Molecular Formula: $C_{21}H_{26}N_2O_4$
Molecular Weight: 370.447
Accurate Mass: 370.189258
Percentage Composition: C 68.09%; H 7.07%; N 7.56%; O 17.28%
Biological Source: Alkaloid from the whole plant of *Gelsemium elegans* (Loganiaceae)
Physical Description: Needles
Melting Point: Mp 176-177°
Optical Rotation: $[\alpha]_D^{22} -130$ (c, 0.05 in MeOH)

>>**Derivative:** Bis(demethoxy), N^4 -Me

Synonym(s): 1-Demethoxyhumantenine

CAS Registry Number: 123629-91-4

Molecular Formula: $C_{20}H_{24}N_2O_2$
Molecular Weight: 324.422
Accurate Mass: 324.183778
Percentage Composition: C 74.05%; H 7.46%; N 8.63%; O 9.86%
Biological Source: Alkaloid from *Gelsemium elegans* (Loganiaceae)
Physical Description: Needles
Melting Point: Mp 238-240°
Optical Rotation: $[\alpha]_D -188.5$ (c, 0.052 in MeOH)

>>**Derivative:** 11-Demethoxy, N^4 -Me

Synonym(s): Humantenine, 9Cl

CAS Registry Number: 82375-29-9

Molecular Formula: $C_{21}H_{26}N_2O_3$
Molecular Weight: 354.448
Accurate Mass: 354.194343
Percentage Composition: C 71.16%; H 7.39%; N 7.90%; O 13.54%
Biological Source: Alkaloid from roots of *Gelsemium elegans* (Loganiaceae)
Physical Description: Gum
Optical Rotation: $[\alpha]_D -142$

>>**Derivative:** 11-Demethoxy, 19,20-dihydro, 20*R*-hydroxy

Synonym(s): 20-Hydroxydihydrorankinidine

CAS Registry Number: 135626-62-9

Molecular Formula: $C_{20}H_{26}N_2O_4$
Molecular Weight: 358.436
Accurate Mass: 358.189258
Percentage Composition: C 67.02%; H 7.31%; N 7.82%; O 17.85%
Biological Source: Alkaloid from *Gelsemium elegans* (Loganiaceae)
Physical Description: Needles (Me₂CO)
Melting Point: Mp 173-174°
Optical Rotation: $[\alpha]_D -165$ (c, 0.02 in MeOH)