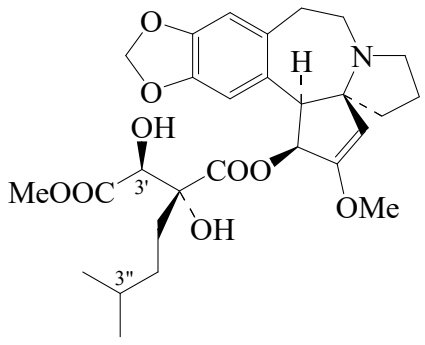
>>**Entry Name: Isoharringtonine**



Absolute Configuration

CAS Registry Number: 26833-86-3

Molecular Formula: $C_{28}H_{37}NO_9$
Molecular Weight: 531.602
Accurate Mass: 531.246834
Percentage Composition: C 63.26%; H 7.02%; N 2.63%; O 27.09%
Biological Source: Alkaloid from *Cephalotaxus harringtonia* var. *harringtonia, Cephalotaxus harringtonia* var. *drupacea, Cephalotaxus hainanensis, Cephalotaxus wilsoniana* and *Cephalotaxus sinensis* (Cephalotaxaceae)
Biological Use/Importance: Shows significant antineoplastic activity
Melting Point: Mp 69-72.5°
Optical Rotation: $[\alpha]_D$ –99.6 (c, 1.06 in $CHCl_3$)
Calculated Log P Data: Log P 1.04 (uncertain value) (calc)
UV: [neutral] λ_{max} 261 (ε 724); 290 (ε 4570) (EtOH) (Derep)

Sigma: I7134

>>**Derivative:** Parent acid
Synonym(s): Isoharringtonic acid. 5'-Des-*O*-methylisoharringtonine

CAS Registry Number: 55825-71-3

Molecular Formula: $C_{27}H_{35}NO_9$
Molecular Weight: 517.575
Accurate Mass: 517.231184
Percentage Composition: C 62.66%; H 6.82%; N 2.71%; O 27.82%
Biological Source: Alkaloid from *Cephalotaxus hainanensis* (Cephalotaxaceae) and *Cephalotaxus harringtonia* var. *drupacea*
Physical Description: Amorph. solid
Melting Point: Mp 224-228°
Optical Rotation: $[\alpha]_D$ –113 (c, 0.33 in DMSO)

>>**Derivative:** 3"-Hydroxy
Synonym(s): Cephalezomine C

CAS Registry Number: 288300-74-3

Molecular Formula: $C_{28}H_{37}NO_{10}$
Molecular Weight: 547.601
Accurate Mass: 547.241749
Percentage Composition: C 61.41%; H 6.81%; N 2.56%; O 29.22%
Biological Source: Alkaloid from *Cephalotaxus harringtonia* var. *nana*
Biological Use/Importance: Cytotoxic agent
Physical Description: Amorph. solid
Optical Rotation: $[\alpha]_D$ –122 (c, 2.3 in MeOH)
UV: [neutral] λ_{max} 291 (ε 2100) (MeOH)

>>**Derivative:** 3'-Epimer, 3"-hydroxy
Synonym(s): Cephalezomine D

CAS Registry Number: 182325-75-3