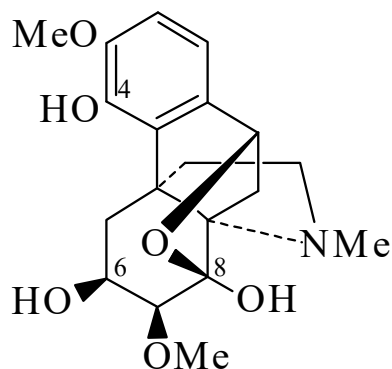




>>Entry Name: Longanine

Synonym(s): 8,10-Epoxy-3,7-dimethoxy-17-methylhasubanan-4,6,8-triol, 9Cl. Longaninine



CAS Registry Number: 78101-26-5

Molecular Formula: $C_{19}H_{25}NO_6$

Molecular Weight: 363.41

Accurate Mass: 363.168189

Percentage Composition: C 62.80%; H 6.93%; N 3.85%; O 26.42%

Biological Source: Alkaloid from the roots and stems of *Stephania longa* (Menispermaceae)

Melting Point: Mp 197-199°

>>Derivative: 4-Me ether

Synonym(s): Stephasunoline. 8,10-Epoxy-3,4,7-trimethoxy-17-methylhasubanan-6,8-diol, 9Cl

CAS Registry Number: 52309-77-0

Molecular Formula: $C_{20}H_{27}NO_6$

Molecular Weight: 377.436

Accurate Mass: 377.183839

Percentage Composition: C 63.65%; H 7.21%; N 3.71%; O 25.43%

Biological Source: Alkaloid from the stems and rhizomes of *Stephania japonica* (Menispermaceae)

Physical Description: Cryst. (MeOH)

Melting Point: Mp 233°

Optical Rotation: $[\alpha]_D^{20} +121.4$ (c, 1.44 in $CHCl_3$)

>>Derivative: O^6 -Ac, di-Me ether

Synonym(s): 6-Dihydroepistephamiersine 6-acetate

CAS Registry Number: 57361-74-7

Molecular Formula: $C_{23}H_{31}NO_7$

Molecular Weight: 433.5

Accurate Mass: 433.210054

Percentage Composition: C 63.73%; H 7.21%; N 3.23%; O 25.84%

Biological Source: Alkaloid from *Stephania abyssinica* (Menispermaceae)

>>Derivative: 6-Ketone, 8-Me ether

Synonym(s): Longanone. 8,10-Epoxy-4-hydroxy-3,7,8-trimethoxy-17-methylhasubanan-6-one

CAS Registry Number: 81525-51-1

Molecular Formula: $C_{20}H_{25}NO_6$

Molecular Weight: 375.421

Accurate Mass: 375.168189

Percentage Composition: C 63.99%; H 6.71%; N 3.73%; O 25.57%

Biological Source: Alkaloid from the roots and stems of *Stephania longa* (Menispermaceae)

Melting Point: Mp 161-163°

Optical Rotation: $[\alpha]_D +86.5$ ($CHCl_3$)

>>Derivative: 4-Me ether, 16-oxo

Synonym(s): Oxostephasunoline

CAS Registry Number: 91897-38-0