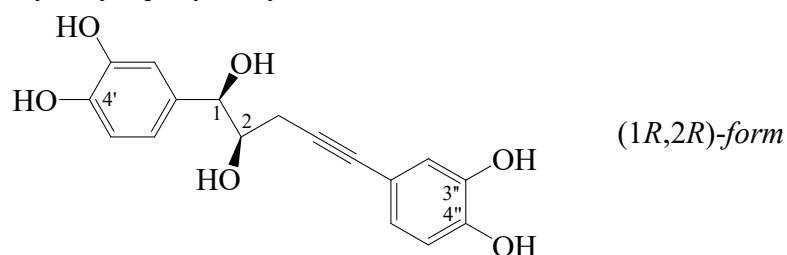




>>Entry Name: 1,5-Bis(3,4-dihydroxyphenyl)-4-pentyne-1,2-diol

Synonym(s): 1,5-Bis(3,4-dihydroxyphenyl)-1,2-dihydroxy-4-pentyne. Nyasicol



Molecular Formula: C₁₇H₁₆O₆

Molecular Weight: 316.31

Accurate Mass: 316.09469

Percentage Composition: C 64.55%; H 5.10%; O 30.35%

General Statement: Stereochem. revised in 1999

>>Variant: (1*R*,2*R*)-form

Molecular Formula: C₁₇H₁₆O₆

Molecular Weight: 316.31

Accurate Mass: 316.09469

Percentage Composition: C 64.55%; H 5.10%; O 30.35%

>>Derivative: 2-*O*-β-D-Glucopyranoside

Synonym(s): Nyasicoside

CAS Registry Number: 111518-94-6

Molecular Formula: C₂₃H₂₆O₁₁

Molecular Weight: 478.452

Accurate Mass: 478.147515

Percentage Composition: C 57.74%; H 5.48%; O 36.78%

Biological Source: Constit. of *Hypoxis nyasica*

Physical Description: Cryst. (EtOH/EtOAc)

Melting Point: Mp 120-122°

Optical Rotation: [α]_D²⁰ +14.7 (c, 0.9 in MeOH)

>>Derivative: 1-Me ether, 2-*O*-β-D-glucopyranoside

Synonym(s): 1-*O*-Methylnyasicoside

CAS Registry Number: 186202-13-1

Molecular Formula: C₂₄H₂₈O₁₁

Molecular Weight: 492.479

Accurate Mass: 492.163165

Percentage Composition: C 58.53%; H 5.73%; O 35.74%

Biological Source: Constit. of *Curculigo capitulata*

Physical Description: Amorph. powder

Optical Rotation: [α]_D²³ +22 (c, 1 in MeOH)

UV: [neutral] λ_{max} 257 (log ε 4.25); 286 (log ε 3.92) (MeOH)

>>Derivative: 1-Butyl ether, 2-*O*-β-D-glucopyranoside

Synonym(s): 1-*O*-Butylnyasicoside

CAS Registry Number: 186202-05-1

Molecular Formula: C₂₇H₃₄O₁₁

Molecular Weight: 534.559

Accurate Mass: 534.210115

Percentage Composition: C 60.67%; H 6.41%; O 32.92%

Biological Source: Constit. of *Curculigo capitulata*

Physical Description: Amorph. powder

Optical Rotation: [α]_D²³ +19 (c, 1 in MeOH)

UV: [neutral] λ_{max} 257 (log ε 4.39); 288 (log ε 4.07) (MeOH)

Other Data: Poss. artifact