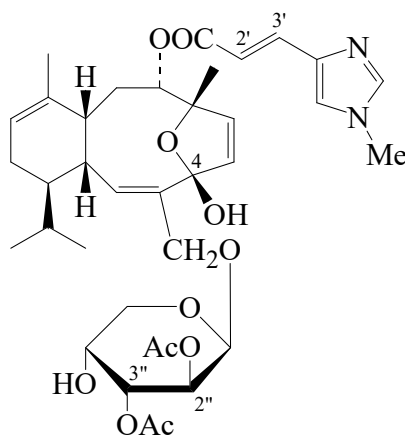




>>Entry Name: Eleuthoside A



CAS Registry Number: 180692-76-6

Type of Compound Code(s): VX6920 VS6440

Molecular Formula: C₃₆H₄₈N₂O₁₁

Molecular Weight: 684.782

Accurate Mass: 684.325813

Percentage Composition: C 63.14%; H 7.06%; N 4.09%; O 25.70%

Biological Source: Constit. of *Eleutherobia aurea*

Physical Description: Oil

Optical Rotation: [α]_D -9 (c, 0.2 in CHCl₃)

>>Derivative: 3"-De-Ac

Synonym(s): Desmethyleleutherobin. Demethyleleutherobin

CAS Registry Number: 259670-83-2

Type of Compound Code(s): VX6920 VS6440

Molecular Formula: C₃₄H₄₆N₂O₁₀

Molecular Weight: 642.745

Accurate Mass: 642.315248

Percentage Composition: C 63.54%; H 7.21%; N 4.36%; O 24.89%

Biological Source: Constit. of *Erythropodium caribaeorum*

>>Derivative: 4-Me ether, 2"-de-Ac

Synonym(s): Isoeleutherobin A

CAS Registry Number: 259728-67-1

Type of Compound Code(s): VS6440 VX6920

Molecular Formula: C₃₅H₄₈N₂O₁₀

Molecular Weight: 656.772

Accurate Mass: 656.330898

Percentage Composition: C 64.01%; H 7.37%; N 4.27%; O 24.36%

Biological Source: Constit. of *Erythropodium caribaeorum*

>>Derivative: 4-Me ether, 3"-de-Ac

Synonym(s): Eleutherobin

CAS Registry Number: 174545-76-7

Type of Compound Code(s): VS6440 VX6920

Molecular Formula: C₃₅H₄₈N₂O₁₀

Molecular Weight: 656.772

Accurate Mass: 656.330898

Percentage Composition: C 64.01%; H 7.37%; N 4.27%; O 24.36%

Biological Source: Isol. from the soft coral *Eleutherobia* cf. *albiflora* and *Erythropodium caribaeorum*

Biological Use/Importance: Cytotoxin with microtubule stabilising props.

Physical Description: Amorph. solid

Optical Rotation: [α]_D²⁵ -49.3 (c, 3 in MeOH)

UV: [neutral] $\lambda_{\max}$ 290 (log ϵ 3.82) (MeOH)