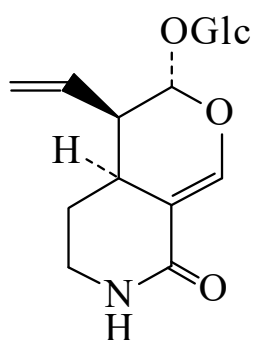




>>Entry Name: Bakankoside

Synonym(s): Bakankosine



Absolute
configuration

CAS Registry Number: 1398-17-0

Molecular Formula: $C_{16}H_{23}NO_8$

Molecular Weight: 357.36

Accurate Mass: 357.142369

Percentage Composition: C 53.78%; H 6.49%; N 3.92%; O 35.82%

Biological Source: Alkaloid from the seeds of *Strychnos vacacoua* (Strychnaceae)

Physical Description: Cryst. + H_2O (H_2O)

Melting Point: Mp 162° (solidifies and remelts at 211-212°)

Optical Rotation: $[\alpha]_D -195$

>>Derivative: Tetra-*O*-Ac

Melting Point: Mp 212-214°

Optical Rotation: $[\alpha]_D^{18} -158$ (c, 1.6 in EtOH)

>>Derivative: Dihydro

Melting Point: Mp 226-228°

References:

- Balenović, K. *et al.*, *Helv. Chim. Acta*, 1952, **35**, 2519, (*uv, ir, struct*)
Büchi, G. *et al.*, *Tet. Lett.*, 1960, **No. 26**, 5, (*struct*)
Inouye, H. *et al.*, *Chem. Pharm. Bull.*, 1976, **24**, 1406, (*synth, struct*)
Inouye, H. *et al.*, *J. Chromatogr.*, 1976, **118**, 201, (*ms*)
Tietze, L.F., *Tet. Lett.*, 1976, 2535, (*struct*)
Bailleul, F. *et al.*, *Phytochemistry*, 1977, **16**, 723, (*cmr*)
Tietze, L.F. *et al.*, *Tetrahedron*, 1989, **45**, 681, (*synth, uv, ir, pmr*)