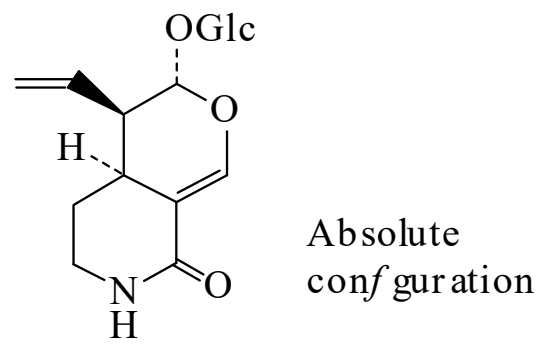
>>**Entry Name: Bakankoside**
Synonym(s): Bakankosine



Absolute
conf guration

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)*