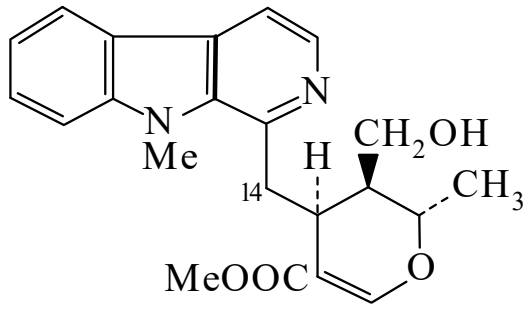
>>**Entry Name: Alstonidine**



Relative
conf guration

CAS Registry Number: 25394-75-6

Molecular Formula: $C_{22}H_{24}N_2O_4$
Molecular Weight: 380.443
Accurate Mass: 380.173608
Percentage Composition: C 69.46%; H 6.36%; N 7.36%; O 16.82%
Biological Source: Alkaloid from *Alstonia constricta* (Apocynaceae)
Melting Point: Mp 188-190°
Optical Rotation: $[\alpha]_D$ –99 (c, 1.0 in $CHCl_3$)

>>**Derivative:** Ac
Physical Description: Needles + $3H_2O$ (Me_2CO aq.)
Melting Point: Mp 92-96°

>>**Derivative:** 14-Oxo
Synonym(s): 14-Ketoalstonidine

Molecular Formula: $C_{22}H_{22}N_2O_5$
Molecular Weight: 394.426
Accurate Mass: 394.152873
Percentage Composition: C 66.99%; H 5.62%; N 7.10%; O 20.28%
Biological Source: Alkaloid from stem bark of *Alstonia constricta* (Apocynaceae)
Physical Description: Noncryst.
Other Data: Labile

References:

Boaz, H. *et al.*, *J. Am. Pharm. Assoc.*, 1957, **46**, 510, *(isol, uv, ir, struct)*
Crow, W.D. *et al.*, *Aust. J. Chem.*, 1970, **23**, 2489, *(isol, pmr, ms, config)*
Allam, K. *et al.*, *J. Nat. Prod.*, 1987, **50**, 623, *(14-Ketoalstonidine)*