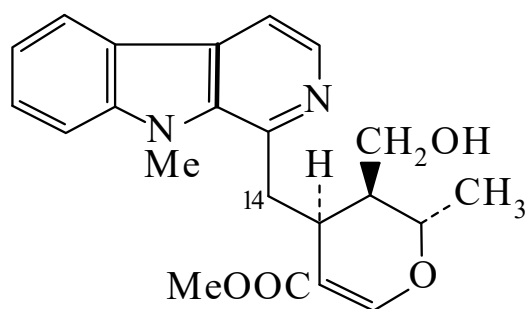




>>Entry Name: Alstonidine



Relative
configuration

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*)