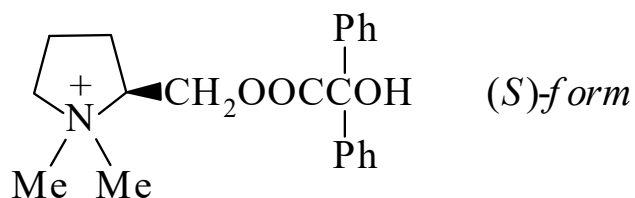




>>Entry Name: Poldine

Synonym(s): 2-[[[(Hydroxydiphenylacetyl)oxy]methyl]-1,1-dimethylpyrrolidinium(1+), 9Cl



CAS Registry Number: 596-50-9

Molecular Formula: $\text{C}_{21}\text{H}_{26}\text{NO}_3^{(+)}$

Molecular Weight: 340.441

Accurate Mass: 340.191269

Percentage Composition: C 74.09%; H 7.70%; N 4.11%; O 14.10%

Use/Importance: Antispasmodic, anticholinergic

>>Variant: (S)-form

Molecular Formula: $\text{C}_{21}\text{H}_{26}\text{NO}_3$

Molecular Weight: 340.441

Accurate Mass: 340.191269

Percentage Composition: C 74.09%; H 7.70%; N 4.11%; O 14.10%

>>Derivative: Bromide

Molecular Formula: $\text{C}_{21}\text{H}_{26}\text{BrNO}_3$

Molecular Weight: 420.345

Accurate Mass: 419.129605

Percentage Composition: C 60.01%; H 6.23%; Br 19.01%; N 3.33%; O 11.42%

Physical Description: Needles (Me_2CO)

Melting Point: Mp 171°

>>Derivative: Methosulfate

Synonym(s): Poldine methylsulfate, BAN, USAN. Alfaland. Nactate. Nacton. CLB 499. IS 499. McN-R-726-47

CAS Registry Number: 545-80-2

Molecular Formula: $\text{C}_{22}\text{H}_{29}\text{NO}_7\text{S}$

Molecular Weight: 451.54

Accurate Mass: 451.166474

Percentage Composition: C 58.52%; H 6.47%; N 3.10%; O 24.80%; S 7.10%

Physical Description: Needles

Melting Point: Mp 154-155°

References:

Blicke, F.F. *et al.*, *J.A.C.S.*, 1955, **77**, 29, (*synth*)

Doyle, F.P. *et al.*, *J.C.S.*, 1958, 4458, (*synth*)

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 431