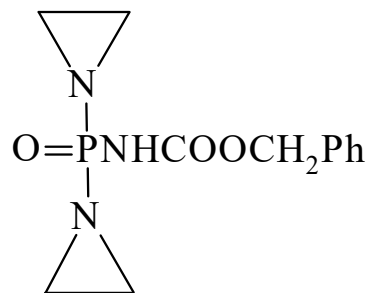




>>Entry Name: Benzodepa, INN, USAN

Synonym(s): Phenylmethyl [bis(1-aziridinyl)phosphinyl]carbamate, 9Cl. Benzyl [bis(1-aziridinyl)phosphinyl]carbamate. Benzcarbimine. Dualar. AB 103. NSC 37096



CAS Registry Number: 1980-45-6

Molecular Formula: C₁₂H₁₆N₃O₃P

Molecular Weight: 281.25

Accurate Mass: 281.092929

Percentage Composition: C 51.25%; H 5.73%; N 14.94%; O 17.07%; P 11.01%

Use/Importance: Antineoplastic agent, insect sterilant

Physical Description: Cryst. (C₆H₆/cyclohexane)

Development Status: No longer marketed

Melting Point: Mp 134-135°

References:

Papanastassiou, Z.B. *et al.*, *J. Med. Chem.*, 1962, **5**, 1000, (*synth, pharmacol*)

Gouck, H.K. *et al.*, *J. Econ. Entomol.*, 1964, **57**, 663, (*use, props*)

Borkovec, A.B. *et al.*, *J. Med. Chem.*, 1966, **9**, 522, (*use*)

Bardos, T.J. *et al.*, *Ann. N.Y. Acad. Sci.*, 1969, **163**, 1006, (*pharmacol*)