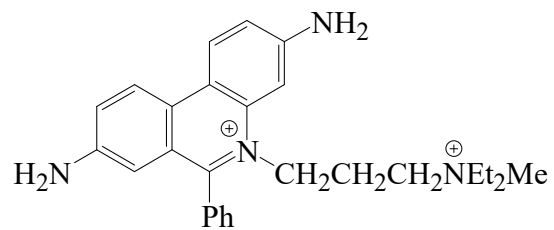




>>Entry Name: 3,8-Diamino-5-[3-(diethylmethyllumonio)propyl]-6-phenylphenanthridinium(2+), 9Cl

Synonym(s): [3-(3,8-Diamino-6-phenyl-5-phenanthridinio)propyl]diethylmethyllumonium, 8Cl



CAS Registry Number: 36015-30-2

Related CAS Registry Numbers(s): 112057-98-4 112057-99-5

Molecular Formula: $C_{27}H_{34}N_4^{2(+)}$

Molecular Weight: 414.592

Accurate Mass: 414.278346

Percentage Composition: C 78.22%; H 8.27%; N 13.51%

Use/Importance: Forms intercalation complexes with DNA and RNA

>>Derivative: Diiodide

Synonym(s): Propidium iodide

CAS Registry Number: 25535-16-4

Physical Description: Red needles

Melting Point: Mp 210-230° (dec.)

References:

Watkins, T.I. *et al.*, *J.C.S.*, 1952, 3059-3064, (*synth*)

Hudson, B. *et al.*, *Proc. Natl. Acad. Sci. U.S.A.*, 1969, **62**, 813-820, (*use*)

Waring, M., *Antibiotics*, 1975, **3**, 141-165, (*rev*)

Tanious, F.A. *et al.*, *Biochemistry*, 1992, **31**, 3103-3112, (*props, bibl*)