

**Product Name** : Propidium Iodide

**Synonyms** : PI

**Cat No.** : M13766

**CAS Number** : 25535-16-4

**Molecular Formula** : C<sub>27</sub>H<sub>34</sub>I<sub>2</sub>N<sub>4</sub>

**Formula Weight** : 668.39

**Chemical Name** : 3-(3,8-Diamino-6-phenylphenanthridin-5-ium-5-yl)propyl-diethyl-methylazanium diiodide

**Description** : Quaternary ammonium analog of ethidium; an intercalating dye with a specific affinity to certain forms of DNA and, used as diiodide, to separate them in density gradients; also forms fluorescent complexes with cholinesterase which it inhibits.

**Pathway** : Others

**Target** : Other Targets

**Receptor** : Others

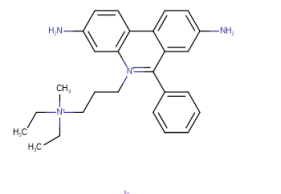
**Solubility** : Water: 5 mM (sonication)

**SMILES** : C[N+](CC)(CCC[N+]1=C(C2=CC=CC=C2)C3=CC(N)=CC=C3C4=C1C=C(N)C=C4)CC.[I-].[I-]

**Storage** : (-20°C)

**Stability** : ≥ 2 years

**Reference** :



1.Uchikura K, et al. Zygote. 2012 Nov;20(4):333-7.