

Catalog	Unit
TBI5165 - 10MG	10 mg
TBI5165 - 50MG	50 mg

### Product Details

**Formal Name:** 3,8-Diamino-5-[3-(diethylmethylammonio)propyl]-6-phenyl-phenanthridinium, diiodide

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

**Formula Weight:** 668.4

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

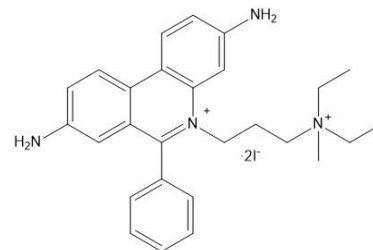
**Purity:** >95%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (2.5 mg/ml); or Water (3 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 2 years.



### Applications

Fluorescent stain for dead/dying cells.

### Functions

Propidium iodide (25535-16-4) is a red fluorescent DNA stain. Membrane impermeable to live cells but permeable to dead or damaged cells and thus may be used for identifying cell viability or as a counterstain. Binds to DNA by intercalation and is suitable for fluorescence microscopy and flow cytometry. Ex.: 488-535 nm and Em.: 617 nm.

### Application Procedures

First dissolved in DMSO (2.5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or water may be stored at -20°C for up to 1 month.

### Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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