

# *Chem-Impex International, Inc.*

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---

## *Product Specifications*

<b>Catalogue Number</b>	41950
<b>Product</b>	<b>Dihydroethidium</b> 2,7-Diamino-10-ethyl-9-phenyl-9,10-dihydrophenanthridine 3,8-Diamino-5,6-dihydro-5-ethyl-6-phenylphenanthridine
<b>CAS Number</b>	104821-25-2
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>21</sub> N <sub>3</sub>
<b>Molecular Weight</b>	315.41

---

<b>Appearance</b>	Pink or very dark red powder
<b>Solubility</b>	Soluble 20 mg/mL in chloroform
<b><sup>19</sup>F NMR</b>	Conforms to structure
<b>Purity</b>	≥ 95% (NMR)
<b>Grade</b>	suitable for Hematology & Histology
<b>Storage</b>	Store at ≤ -10 °C
<b>Additional Information</b>	λ <sub>ex</sub> 370 nm; λ <sub>em</sub> 420 nm (for cytoplasm of living cells)

**For Laboratory Use Only**