**Sudan III**

Cat. No.: HY-D0931  
CAS No.: 85-86-9  
Molecular Formula: C₂₂H₁₆N₄O  
Molecular Weight: 352.39  
Target: Others  
Pathway: Others  
Storage:  
- Powder: -20°C, 3 years; 4°C, 2 years  
- In solvent: -80°C, 6 months; -20°C, 1 month

**BIOLOGICAL ACTIVITY**

<table>
<thead>
<tr>
<th>Description</th>
<th>Sudan III is a hydrophobic bisazo dye[^1].</th>
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| In Vitro | Sudan III changes its color from orange to blue against a small volume of sulfuric acid, and the acetonitrile solution of Sudan III is the most suitable for observing the color-change phenomenon. H-NMR and UV-Vis spectroscopic studies show that the color-change mechanism of Sudan III against sulfuric acid is due to the protonation of the dye by sulfuric acid\[^1\]. |

**REFERENCES**


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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898  
Fax: 609-228-5909  
E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA