



## Thermo Scientific Chemicals Neutral Red, ACS

50 g

Quantity:

50 g

250 g

HCl

This item is not returnable. [View return policy](#)

Product Code: **15464969**  
Brand: Thermo Scientific Chemicals | J62643.1B



CAS	553-24-2
Molecular Formula	C15H17ClN4
Molecular Weight (g/mol)	288.779
MDL Number	MFC00012651
InChI Key	PGSADBUBUOPOJS-UHFFFAOYSA-N
Synonym	Basic Red 5; C.I. 50040
PubChem CID	11105
ChEBI	<a href="#">CHEBI:86370</a>
IUPAC Name	8-N,N,3-trimethylphenaz... <a href="#">Show More</a>
SMILES	<chem>CC1=CC2=NC3=C(C=C(C=C3)N(C)C)N=C2C=C1N.Cl</chem>

## Description

Nuclear counterstain useful in pH range 6.8 to 8.0

Neutral Red is most commonly used for histological stain for lysosomes but has also been incorporated in investigation of viruses, as a pH indicator, determination of DNA with optical and electrochemical methods, evaluation of synthetic and naturally derived biomaterials. Neutral red can be electrochemically polymerized and used as a redox mediator. The compound once taken up by cells can be used to ascertain cell viability with a excitation maximum at 470 nm and emission maximum at 580nm. It is used as a red nuclear counter stain in various cytochemical procedures. It is suitable for microscopy and microbiology and supravital staining of living blood cells. A vital dye used as an indicator and biological stain.

This Thermo Scientific Chemicals brand product was originally part of the Alfa Aesar product portfolio. Some documentation and label information may refer to the legacy brand. The original Alfa Aesar product / item code or SKU reference has not changed as a part of the brand transition to Thermo Scientific Chemicals.

### Applications

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### Solubility

Soluble in water (50 mg/ml at 25°C), abs. alcohol (1.8%), and cello solve (3.75%).

### Notes

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 - 8°C



## Specifications

Melting Point	290°C (decomposition)
Beilstein	3918740
Merck Index	14,6488
Solubility Information	Soluble in water (50mg/ml at 25°C),abs. alcohol (1.8%),and cello solve (3.75%).
Formula Weight	288.78
Grade	ACS
Color	Black to Green
Quantity	50 g
Physical Form	Powder
Chemical Name or Material	Neutral Red