

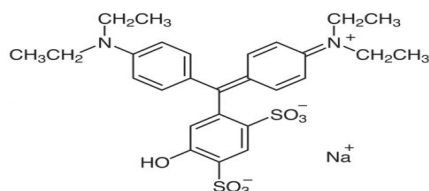
## Certificate of Analysis

Product Name: Patent blue V sodium salt  
Cat. No.: GD19411  
Batch No.: 1  
Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 20262-76-4  
Molecular Formula: C<sub>27</sub>H<sub>31</sub>N<sub>2</sub>NaO<sub>7</sub>S<sub>2</sub>  
Molecular Weight: 582.664  
Storage:

Chemical Structure:



### ANALYTICAL DATA

Appearance: A solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >80.00%  
Conclusion: The product has been tested and complies with the given specifications.

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

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