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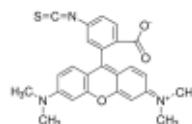
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## Product Specification

Product Name:  
Tetramethylrhodamine isothiocyanate Isomer R - powder

**Product Number:** T3163  
**CAS Number:** 80724-20-5  
**MDL:** MFCD00063517  
**Formula:** C<sub>25</sub>H<sub>21</sub>N<sub>3</sub>O<sub>3</sub>S  
**Formula Weight:** 443.52 g/mol  
**Storage Temperature:** 2 - 8 °C



### TEST

### Specification

Appearance (Form)	Powder
Solubility (Color)	Faint Red to Very Dark Red to Very Dark Purple
Solubility (Form)	Solution
10 mg/mL , 1M NH <sub>4</sub> OH in MeOH	
<sup>1</sup> H NMR Spectrum	Conforms to Structure
Solvent Content (by GC)	≤ 4 %
Nitrogen	≥ 7.5 %
Dye Content	≥ 80 %
Labeling Efficiency	≥ 50 %

Specification: PRD.0.ZQ5.1000080774

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.