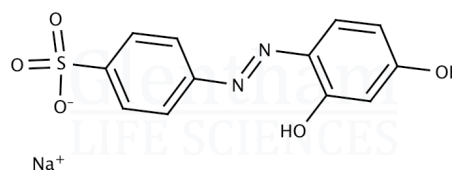


## Certificate of Analysis

Product Name Tropaeolin O (C.I. 14270)  
Glentham Code GT7534  
CAS Number 547-57-9  
EINECS 208-924-8  
MDL Number MFCD00007499  
PubChem SID 310281463  
Colour Index 14270  
Batch Number 786EXY

Molecular Weight 316.27  
Molecular Formula  $C_{12}H_9N_2NaO_5S$   
Storage Temp. +20°C



| Property                                             | Specification                    | Batch 786EXY        |
|------------------------------------------------------|----------------------------------|---------------------|
| Physical Description                                 | Orange to brown powder           | Brown-orange powder |
| Solubility (0.1% in water)                           | Clear, yellow to orange solution | Conforms            |
| pH Transition Range                                  | 11.2 - 12.2 (yellow to orange)   | Conforms            |
| Wavelength of Maximum Absorption ( $\lambda_{max}$ ) | 482.0 - 492.0 nm (in 0.1M NaOH)  | 486.6nm             |
| Absorptivity (1%/1cm)                                | $\geq 530$ (at $\lambda_{max}$ ) | 591                 |
| Loss on Drying                                       | $\leq 10.0\%$ (110°C, 1h)        | 4.42%               |

Specification Version v1.0  
Manufacture Date 2015-01-01  
Re-Test Date 2027-09-13

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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