

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)

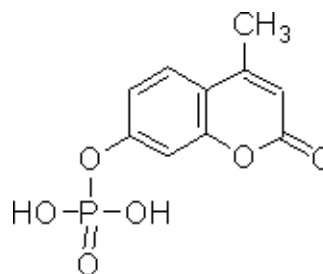
Email USA: [techserv@sial.com](mailto:techserv@sial.com)

Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
4-Methylumbelliferyl phosphate – phosphatase substrate

**Product Number:** M8883  
**CAS Number:** 3368-04-5  
**MDL:** MFCD00016969  
**Formula:** C<sub>10</sub>H<sub>9</sub>O<sub>6</sub>P  
**Formula Weight:** 256.15 g/mol  
**Storage Temperature:** -20 °C



### TEST

### Specification

Appearance (Color)	White to Off White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear to Very Slightly Hazy
25 mg/ml, H <sub>2</sub> O	
Proton NMR Spectrum	Conforms to Structure
Titration with NaOH	≥ 98 %
Purity (HPLC)	≥ 98 %
Recommended Retest Period	-----
2 years	

Specification: PRD.2.ZQ5.10000031177

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.