

## D-Mannose-6-Phosphate (sodium salt hydrate) Biochemical

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CATALOG #  
AAA227361

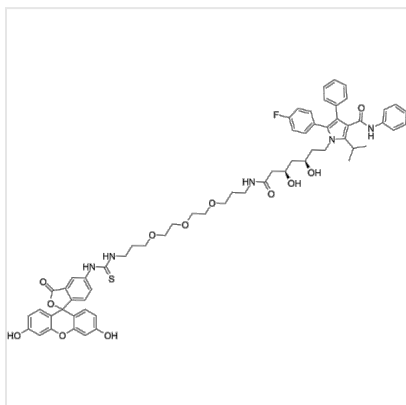
### PRODUCT SYNONYMS

D-Mannose-6-Phosphate (sodium salt hydrate); D-Mannose-6-Phosphate (sodium salt hydrate) biochemical

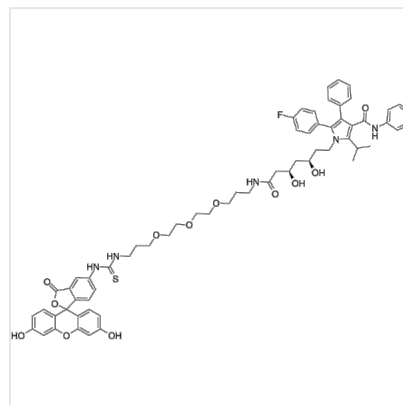
### PRODUCT SPECIFICATIONS

|                         |                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------|
| Purity/Purification     | 98%                                                                                   |
| Solubility              | PBS (pH 7.2): 10 mg/mL<br><1mg/ml refers to the product slightly soluble or insoluble |
| Preparation and Storage | Powder: -20 degree C for 3 years<br>In solvent: -80 degree C for 2 years              |

### IMAGES



**Structure**  
Atrovastatin-PEG3-FITC, CAS 1440755-31-6



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Atrovastatin-PEG3-FITC, CAS 1440755-31-6

### ADDITIONAL INFORMATION

|                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for D-Mannose-6-Phosphate (sodium salt hydrate) biochemical</b> | D-Mannose-6-phosphate (M6P) is a phosphorylated aldohexose that has diverse physiological roles. It can be used to produce glucose as an energy source, converted to mannitol to serve as an osmolyte or metabolic store, or directed to the N-glycosylation pathway. M6P is also a ligand for both cation-dependent and -independent receptors and binds, as part of an N-glycan, to mannose receptor homology domains on other proteins. |
| <b>References</b>                                                                              | <ol style="list-style-type: none"> <li>1. Gunther Zimmermann, et al. Small molecule inhibition of the KRAS-PDEdelta interaction impairs oncogenic KRAS signaling. <i>Nature</i>. 2013 May 30;497(7451):638-42.</li> <li>2. Yan Jiang, et al. Structural Biology-Inspired Discovery of Novel KRAS-PDEdelta Inhibitors. <i>J Med Chem</i>. 2017 Nov 22;60(22):9400-9406.</li> </ol>                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.