



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200

Toll Free: 800/854-0530

Fax: 440/337-1180

mailto: biotech@mpbio.com

web: www.mpbio.com

ENZYME SYSTEMS PRODUCTS

a division of



Certificate of Analysis

Q-Val-Asp-OPh

Catalog #: OPH109

Lot #: 3VM60

SEQUENCE: Q-Val-Asp-OPh
Q-VD-OPh

M.W.: 513.5

Storage: -20°C

Form: Off-white semi solid

ANALYTICAL DATA:

Mass Spectrometry: M+1=514.1
M+Na = 536.2

Purity > 95% by TLC

Chromatography TLC Rf: 0.4 one spot, EtOAc: 6,Hex:4, AcOH:0.1
HPLC 97%

SOLUBILITY: DMSO

Approved by: Robert Beattie

Quality Control Director

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