

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing:	2023-09-13 10:50:43
Date of Next Testing:	2026-09-12 10:50:43
Product Name:	<b>(4R,5R,6S)-4-Nitrobenzyl 3-((diphenoxyphosphoryl)oxy)-6-((R)-1-hydroxyethyl)-4-methyl-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylate</b>
CAS Number:	90776-59-3
Specifications & Purity:	97%
Lot #:	I2311412
SKU #	<b>R195757</b>
<b>Analysis:</b>	<b>268184</b>
Storage Temperature:	Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	97-100 (%)	98.44 %
specific rotation $[\alpha]_{20/D}(c=0.5g/50ml, \text{ acetonitrile})$	54-59 (°)	56.67400°
Appearance(R195757)	White to off-white to light yellow powder to crystal	White to off-white to Light yellow powder to crystal
LC-MS for identification	Conforms	Conforms
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager