

## Certificate of Analysis

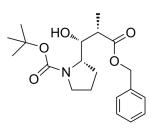
## Monomethyl auristatin E intermediate-15

Cat. No.:	HY-79196
CAS No.:	173653-47-9
Batch No.:	13450
Chemical Name:	$2\mbox{-}Pyrrolidine propanoic acid, 1\mbox{-}[(1,1\mbox{-}dimethyle thoxy) carbonyl]\mbox{-}\beta\mbox{-}hydroxy\mbox{-}\alpha\mbox{-}methyl\mbox{-}, phenylmet$
	hyl ester, [2S-[2R*(αR*,βS*)]]- (9CI)

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C <sub>20</sub> H <sub>29</sub> NO <sub>5</sub>		
Molecular Weight:	363.45		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

**Chemical Structure:** 



## ANALYTICAL DATA

Appearance:	Colorless to light yellow (Oil)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
Purity (HPLC):	96.63%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA