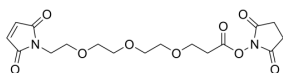


Certificate of Analysis

Product Name:	Mal-PEG3-NHS ester
Cat. No.:	CS-0106353
CAS No.:	1537892-36-6
Batch No.:	Lf1203187477
Chemical Name:	Propanoic acid, 3-[2-[2-[2-(2,5-dihydro-2,5-dioxo-1H-pyrrol-1-yl)ethoxy]ethoxy]ethoxy]-, 2,5-dioxo-1-pyrrolidiny ester

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₁₇ H ₂₂ N ₂ O ₉
Molecular Weight:	398.36
Storage:	-20°C, protect from light, stored under nitrogen
Chemical Structure:	



ANALYTICAL DATA

Appearance:	Colorless to light yellow (Liquid)
¹H NMR Spectrum:	Consistent with structure
Purity (NMR):	≥95.0%
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: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

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