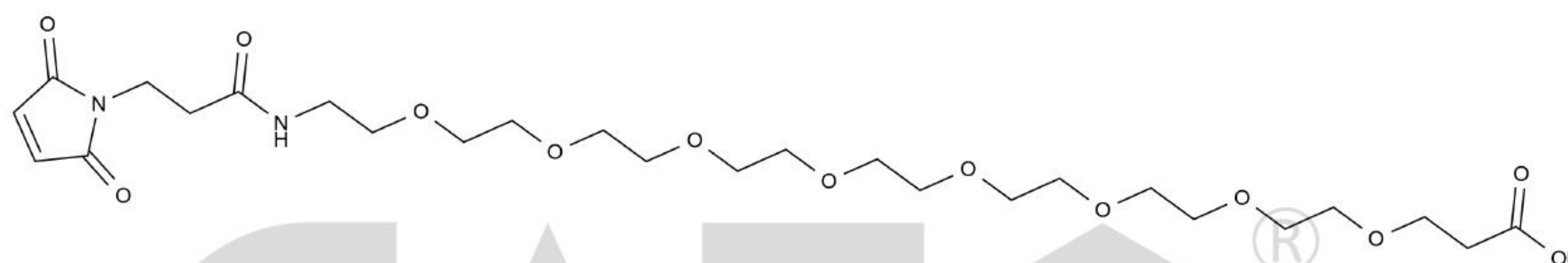


Certificate of Analysis

Reference Material & Standard

Product Name:	Mal-amido-PEG8-propionic Acid	Catalogue Number:	C1221200
Synonyms:	N/A	Lot Number:	1125-RG-0045
CAS Number:	1334177-86-4	Expiry Date:	Nov 26, 2029
Molecular Formula:	C ₂₆ H ₄₄ N ₂ O ₁₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	592.63	Shipping Condition:	Shipping with Ice Packs
Solubility:	Acetonitrile	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	97.922%
Loss On Drying	TGA	2.5599%
Assay		95.4%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100%-Loss On Drying) * Purity HPLC (%) /100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Yuki

Reviewed by:

Ko

Approved by General Manager:

David

Date: Nov 27, 2025

Date: Nov 27, 2025

Date: Nov 27, 2025



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