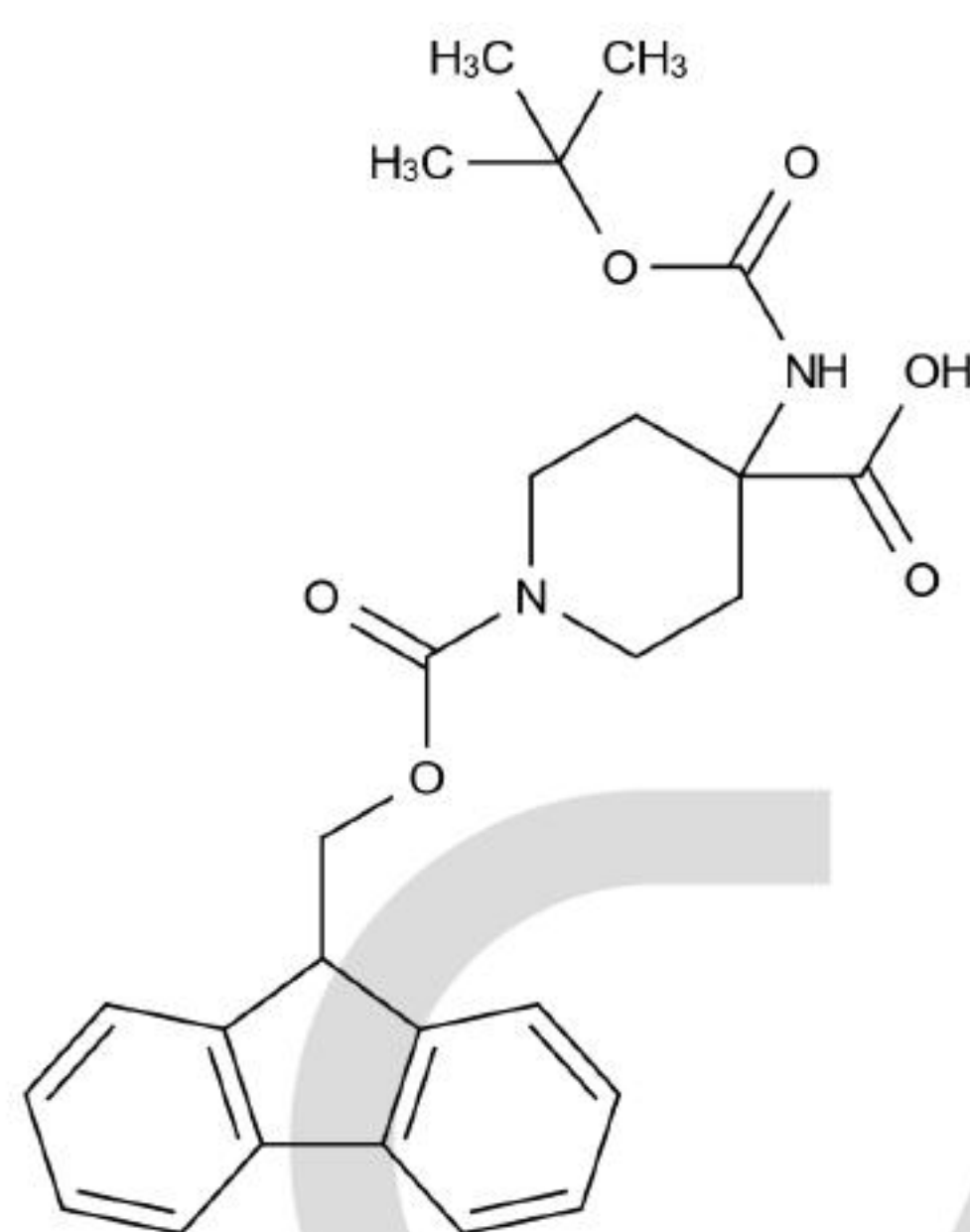


Certificate of Analysis

Reference Material & Standard

Product Name:	Difelikefalin Impurity 15	Catalogue Number:	C4X-304115
Synonyms:	N/A	Lot Number:	1220-RE-0065
CAS Number:	368866-07-3	Expiry Date:	Dec 24, 2026
Molecular Formula:	C ₂₆ H ₃₀ N ₂ O ₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	466.53		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.212%
Loss On Drying	TGA	0.1260%
Assay		98.1%

Comment:

The calculation of the 100% 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:

Nice

Reviewed by:

Koi

Aporoved by General Manager:

David

Date: Dec 25, 2023

Date: Dec 25, 2023

Date: Dec 25, 2023

