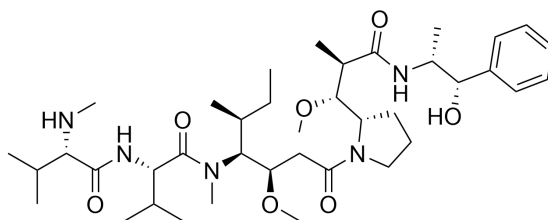


Certificate of Analysis

Description of the Material:

- (a) Chemical Name: MMAE Control for in vitro studies
- (b) Chemical Structure:



- (c) Molecular Weight: 717.98 Da
- (d) Formula: $C_{39}H_{67}N_5O_7$
- (e) CAS Number: 474645-27-7
- (f) Appearance: Clear solution
- (g) Amount: Each vial contains 100 μ L MMAE solution (less than 1 μ g of MMAE per vial).
- (h) Concentration: 10 μ M in DMSO (7.18 μ g/mL)
- (i) Usage: After defrosting, centrifuge to ensure there is no liquid in the cap before opening. Dilute if needed.

SKU Code and Lot Number:

- (a) SKU Code: CM11031.1
- (b) Lot Number: S596.S7.0527E

HPLC Purity and MS Data:

- (a) Purity: $\geq 98\%$
- (b) MS Data: Calculated: 717.50Da; Obtained: 359.7 $[M+2H]^+$, 718.4 $[M+H]^+$

Intended use: For research and development use only.

Solubility: Not soluble in water. Soluble in DMSO (up to 50 mM), ethanol, and DMF.

Hazard Information: See SDS

Shelf life, Storage/Stability as Supplied: The compound is fairly stable at room temperature. We recommend storing it in a freezer below -20°C for long-term storage.

Expiration Date: 1 year after receiving

Certified by: 

Certifying Officer: Subhakar Dey

Date Appendix: HPLC Data

Injection date: Thu, 5. Jun. 2025
C:\HPCHEM\1\DATA\HPLC3_25\06050006.D
Instrument: Instrument 1

Injection Time: 12:22:55 PM
Report Style: CM_Ext

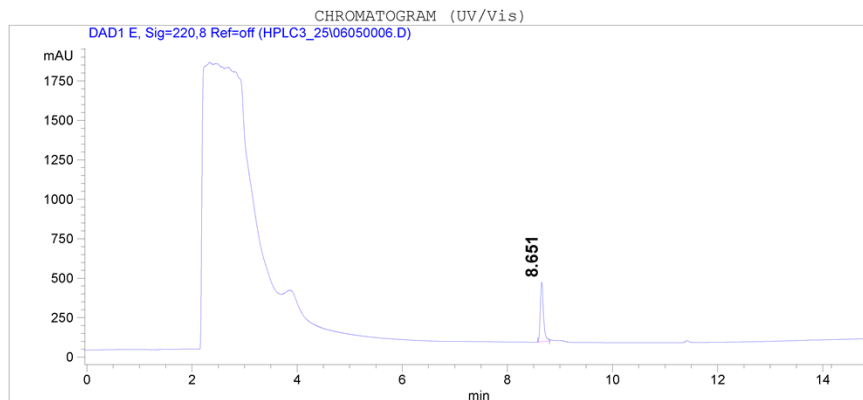
 CellMosaic, Inc. www.cellmosaic.com
10 A Roessler Road, Woburn, MA 01801, USA.

HPLC ANALYSIS DATA

Data Acquired By: CellMosaic QC
Sample Location: Vial 24
Sample Name: S596.S5.0527E

Actual injection Volume: 20.0 uL
Sequence Name:
Method: C:\HPCHEM\1\METHODS\ABT-199.M
Pressure: 105.8 bar
Flow: 800.000 uL/min
Temp (C): 25.0 C

-- SAMPLE INFORMATION --
S596.S5.0527E
MMAE 100 uM



Signal Description Wavelength(nm), Bw	Retention Time [Min.]	Area [mAU.s]	Area %
DAD1 E, Sig=220,8 Ref=off	8.651	1584.4	100.0

*****END OF REPORT*****