

# SAFC®

Pharma & Biopharma Raw  
Material Solutions

# MILLIPORE SIGMA

## DM1 - Mertansine

GMP quality payload for your  
drug conjugate programs

### Accelerating your path to the clinic

DM1 is now available without licensing or royalty fees. We maintain an available stock to support your drug conjugation projects and accelerate your development timelines. Our proprietary maytansinoid synthesis can be modified to meet your specific linker-payload needs.

### Trust us for your DM1 needs

- Significant expertise in linker-payload synthesis and drug conjugation
- Extensive commercial experience and expert regulatory support
- Simplified supply chain with consolidated linker-payload and conjugation services
- Material suitable for clinical studies with process validation intended in 2021

### DM1 Features

- High purity material (HPLC Purity > 97%)
- 100 mg samples available free of charge
- MilliporeSigma-owned DMF/ASMF for regulatory filings
- Validated analytical methods

Please contact [DM1@milliporesigma.com](mailto:DM1@milliporesigma.com)  
for samples, order placement, or additional  
product information.

## Comprehensive Solutions for Your ADC

We offer comprehensive supply chain reliability from discovery to commercialization of your ADC. This includes coordinated and collaborative services for the development, manufacturing, and testing of bulk drug substance and drug product. We offer a full range of services to support your ADC projects:

- Linker, payload, conjugation development, and manufacturing services
- Analytical method development and validation
- Technology transfer and manufacturing
- Stability studies for bulk drug substance and drug product
- Regulatory support

## Payload and Linker Manufacturing Capabilities

We have more than 30 years of experience working with highly-active and complex molecules at our Madison, Wisconsin facility in the United States. This site has a variety of manufacturing spaces and equipment to provide the necessary flexibility for multi-step synthesis of complex and highly potent APIs (HPAPIs) and linker-payloads. Our facilities are SafeBridge® certified for Category 4 materials.

### ADC Express™

Pre-clinical Conjugation Services for the Best Candidate Selection

- Mini-prep scale: 10–20 mg ADC construct ± column purification
- Medium-prep scale: up to 100 mg ADC +/- column purification
- Certificate of testing with key quality attributes
  - ADC concentration
  - Payload density/DAR (drug antibody ratio)
  - Monomer/aggregate content
  - Endotoxin

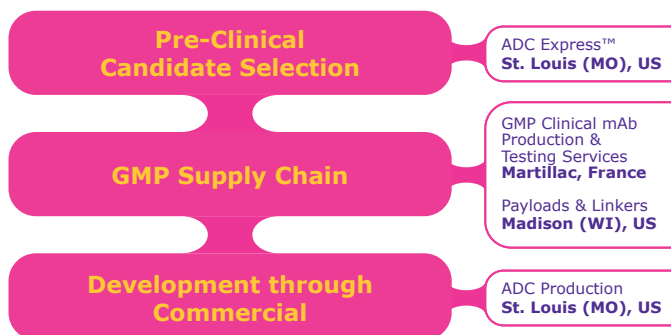
For additional information, please visit [EMDMillipore.com](http://EMDMillipore.com)

To place an order or receive technical assistance, please visit [EMDMillipore.com/contactPS](http://EMDMillipore.com/contactPS)

## Madison Facility Equipment List

QTY	Equipment	Capacity	Temp Range
7	Kilo Labs: Safebridge® Cat IV capable	g to kg scale	-75 to +190 °C
3	Kilo Labs: Safebridge® Cat III capable	g to kg scale	-75 to +190 °C
2	Safebridge® Cat IV drying/packaging suites	g to kg scale	-10 to +100 °C
2	Process Scale up Labs	g to kg scale	-75 to +190 °C
1	Hydrogenation Suite	2-100 L	-40 to +110 °C
11	Glass Lined Reactors	120-4000 L	-30 to +180 °C
2	Glass Lined work up vessels	4000-8000 L	-30 to 80 °C
4	Hastelloy Reactors	200-2000 L	-80 to +180 °C
6	Nutsche filter dryers	up to ~400 kg/batch	-30 to +70 °C
	Column Chromatography	up to 40 kg silica	
	Vacuum oven dryers	~4 kg	up to +100 °C
2	Lyophilizer, trays	~600 g/lot	-80 to +40 °C
	Varying filtration equipment		

## ADC Contract Manufacturing Footprint



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Burlington, MA 01803

[EMDMillipore.com](http://EMDMillipore.com)

