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**Product Data Sheet**


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Product Name: MC-DM1  
 Cat. No.: GC39813

**Chemical Properties**

Cas. No. 1375089-56-7

SMILES C[C@]1([C@H](CC(N(C(C=C(C2)C=C3OC)=C3Cl)C)=O)OC([C@H](C)N(C)C(CCCCN(C4=O)C(C=C4)=O)=O)=O)[C@@]([C@@H]([C@](OC5=O)([H])C[C@]([C@@H](/C=C/C=C2\C)OC)(N5)O)C)([H])O1

Formula C<sub>42</sub>H<sub>55</sub>ClN<sub>4</sub>O<sub>12</sub> M.Wt 843.36

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

**Background**

MC-DM1 is a drug-linker conjugate composed of a potent microtubule-disrupting agent DM1 and a linker MC to make antibody drug conjugate (ADC)[1].

[1]. Shao S, et al. Site-specific and hydrophilic ADCs through disulfide-bridged linker and branched PEG. *Bioorg Med Chem Lett.* 2018 May 1;28(8):1363-1370.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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