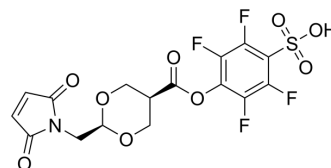


## MDTF free acid

<b>Cat. No.:</b>	HY-150043
<b>CAS No.:</b>	2102021-49-6
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>11</sub> F <sub>4</sub> NO <sub>9</sub> S
<b>Molecular Weight:</b>	469.32
<b>Target:</b>	ADC Linker
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	MDTF free acid is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[1]</sup> .
<b>In Vitro</b>	MDTF free acid (50 μM) increases hydrophilic character by substitution of a cyclohexyl ring and a MD-based FRET probe incubates in human plasma has a considerably higher self-stabilization rate compared to the MCC-based probe <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Dogan I, et, al. 2-(Maleimidomethyl)-1,3-Dioxanes (MD): a Serum-Stable Self-hydrolysable Hydrophilic Alternative to Classical Maleimide Conjugation. Sci Rep. 2016 Aug 9;6:30835.

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

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