

MDTF

Chemical Properties

CAS No. :

Formula: C₁₆H₁₀F₄NNaO₉S

Molecular Weight: 491.3

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	MDTF, a non-cleavable ADC linker, is utilized in antibody-drug conjugate synthesis [1].
Targets(IC50)	ADC Linker
In vitro	MDTF (50 µM) enhances hydrophilicity through the substitution of a cyclohexyl ring, and when a MD-based FRET probe is incubated in human plasma, it exhibits a significantly greater self-stabilization rate than its MCC-based counterpart [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0354 mL	10.1771 mL	20.3542 mL
5 mM	0.4071 mL	2.0354 mL	4.0708 mL
10 mM	0.2035 mL	1.0177 mL	2.0354 mL
50 mM	0.0407 mL	0.2035 mL	0.4071 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481